



Falcon 10 - 15

Hydraulic Flex Wing Cutter

Pub 09-08

Part No. 02985378P

PART'S MANUAL



¡ATENCIÓN!

LEA EL INSTRUCTIVO

Si No Lee Ingles, Pida Ayuda a Alguien
Que Si Lo Lea Para Que le Traduzca las
Medidas de Seguridad.



An Operator's Manual was shipped with the equipment in the Manual Canister. This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the unit at all times. **READ, UNDERSTAND, and FOLLOW** the Safety and Operation Instructions contained in this manual before operating the equipment. If the Operator's Manual is not with the equipment, contact your dealer or Servis-Rhino (800-446-5158) to obtain a Free copy before operating the equipment.

ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
210-372-3551



TO THE OWNER/OPERATOR/DEALER

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

BEFORE YOU START!!

Read the safety messages on the implement and shown in your manual.
Observe the rules of safety and common sense!



DANGER

FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTIONS CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.

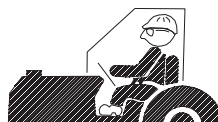
1.



2. NO RIDERS, NO CHILDREN OPERATORS.



3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, & ROPS.



4. BLOCK UP SECURELY BEFORE WORKING UNDER.



1. Study and understand Operator's Manuals, Safety Signs, and Instructional Decals for tractor & flail mower to prevent misuse, abuse, & accidents. Practice before operating mower in a confined area or near passersby.

- Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children.

2. Allow no children on or near implement of tractor. Allow no riders on tractor or implement. Falling off can cause serious injury or death from being runover by tractor or mower or contact with Flail Mower Blades.

3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seatbelt fastened securely and snugly to prevent injury and possible death from falling off or tractor overturn. Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, and Ear Plugs are recommended.

4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain that area is clear before lowering or folding.

5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding implements. Slowdown when turning and on hillsides.

- Install Restrictor in folding circuit to slow down lowering and unfolding if action is faster than is desirable.

6. Make certain that SMV sign, Warning Lights, and Reflectors are clearly visible. Follow local traffic codes.

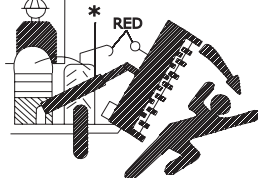
7. Never operate with Flail Mower or Folding Section raised if passersby, bystanders or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Shields or implement structure.

8. Before dismounting, secure flail mower in transport position or lower to ground.

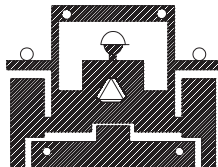
- Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent entanglement in rotating parts which may cause injury or death.

- Never mount or dismount a moving vehicle. Crushing from runover may cause injury or death.

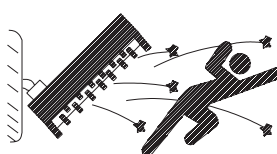
5. TRANSPORT SAFELY, LOCK UP.



6. USE SMV, LIGHTS, & REFLECTORS.



7. DO NOT OPERATE WITH MOWER OR WING RAISED.



8. DO NOT MOUNT OR DISMOUNT WHILE MOVING.



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WARRANTY INFORMATION:

Read and understand the complete Warranty Statement found in this Manual. Fill out the Warranty Registration Form in full and return it within 30 Days. Make certain the Serial Number of the Machine is recorded on the Warranty Card and on the Warranty Form that you retain. The use of "will-fit" parts will void your warranty and can cause catastrophic failure with possible injury or death.

PARTS SECTION

PARTS ORDERING GUIDE

The following instructions are offered to help eliminate needless delay and error in processing purchase orders for the equipment in this section.

1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.
2. The Purchase Order must include the name and address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts are ordered.
3. The Purchase Order must clearly list the quantity of each part, the complete and correct part number (be sure to include all periods), and the basic name of the part.
4. The Manufacturer reserves the right to substitute parts where applicable.
5. Some parts are unlisted items which are special production items not normally stocked and are subject to special handling. Request a quotation for such parts before sending a Purchase Order.
6. The Manufacturer reserves the right to change prices without prior notice.

NOTE: Please refer to The Safety Section in the front of this Manual for the proper Part Number when ordering Replacement Safety Decals.



For maximum safety and to guarantee optimum product reliability, always use genuine Servis-Rhino Parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death. Direct any questions regarding parts to:

////ALAMO[®]
INDUSTRIAL

ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
830-379-1480



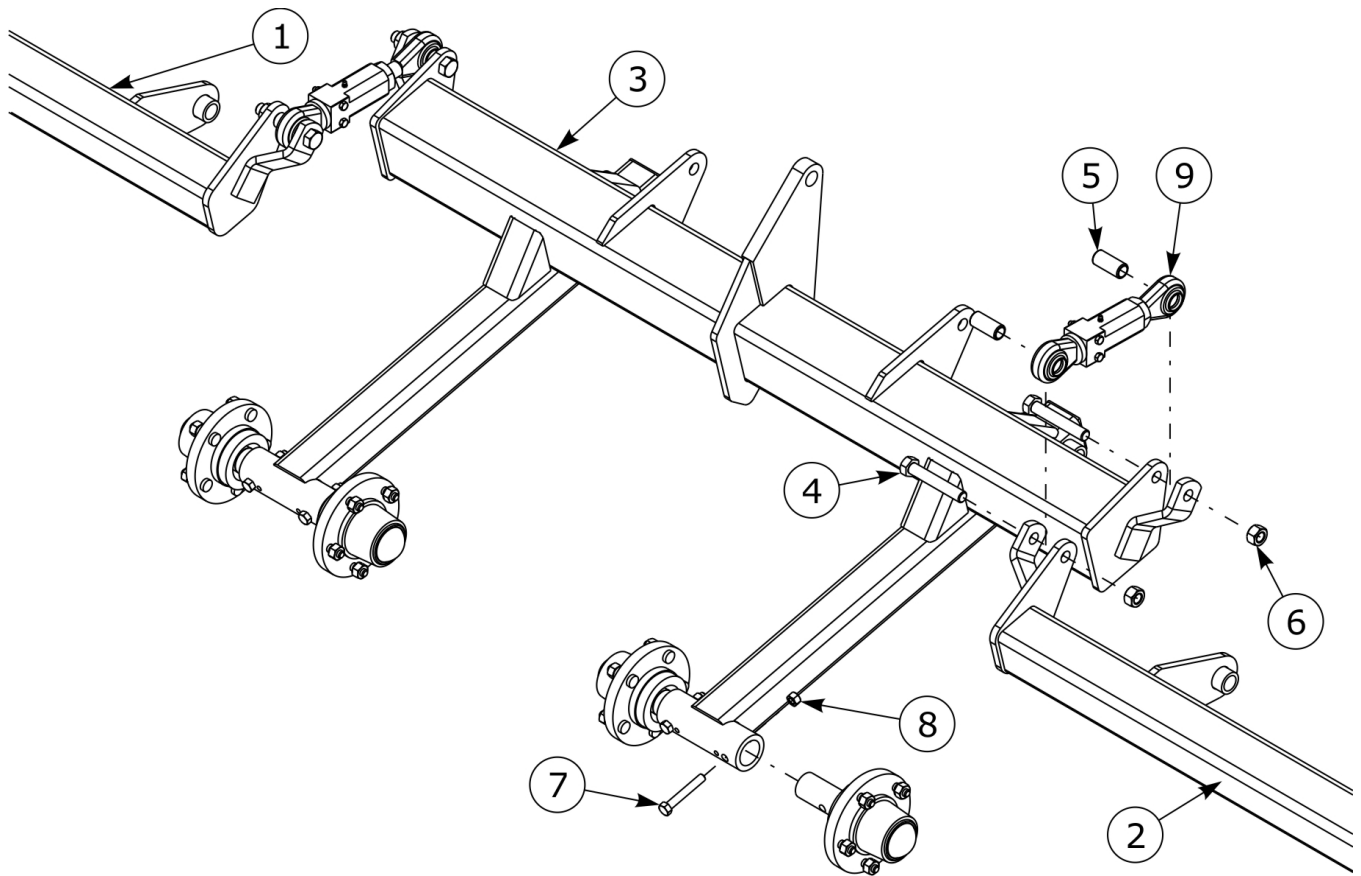
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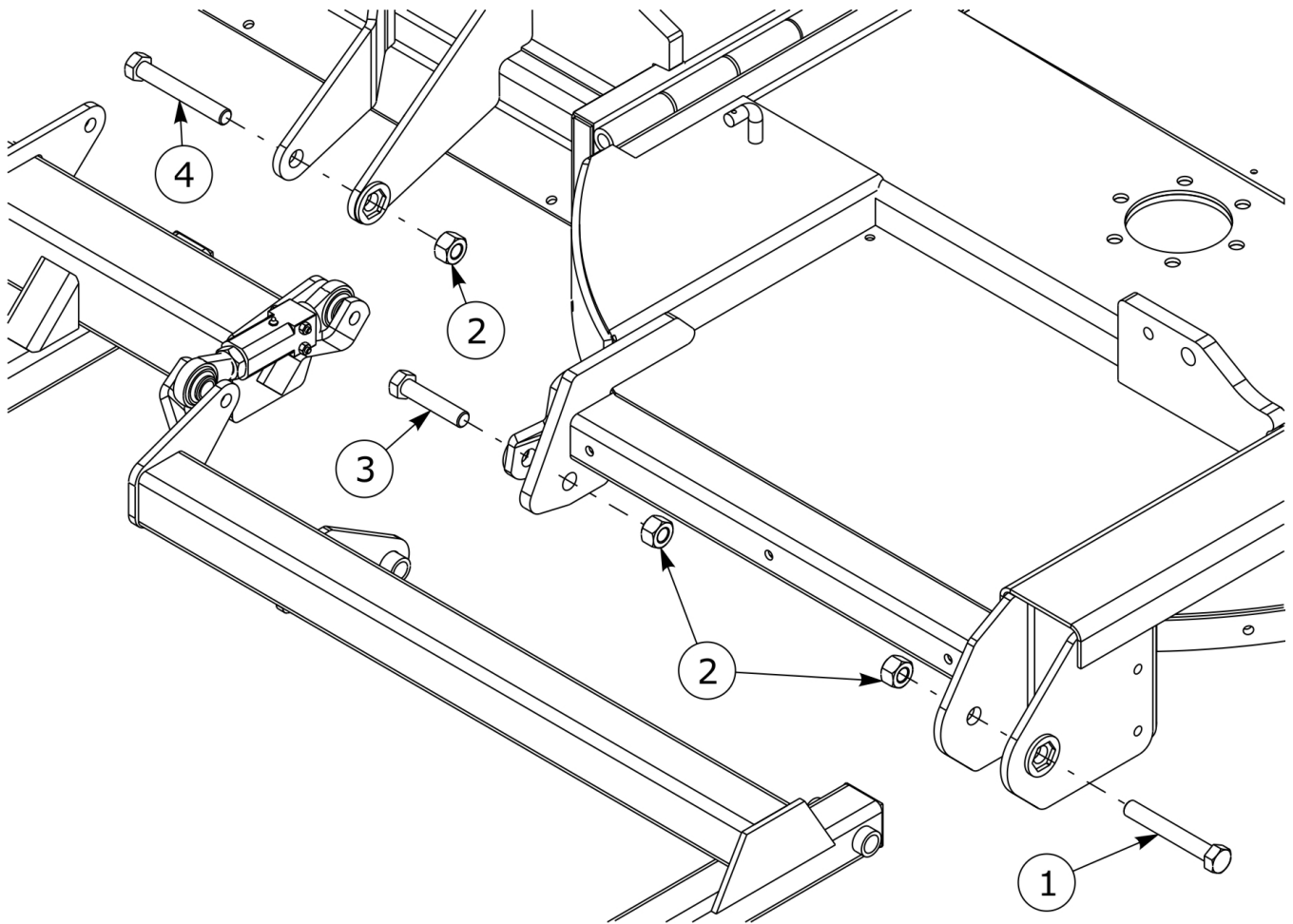
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AXLE ASSEMBLY



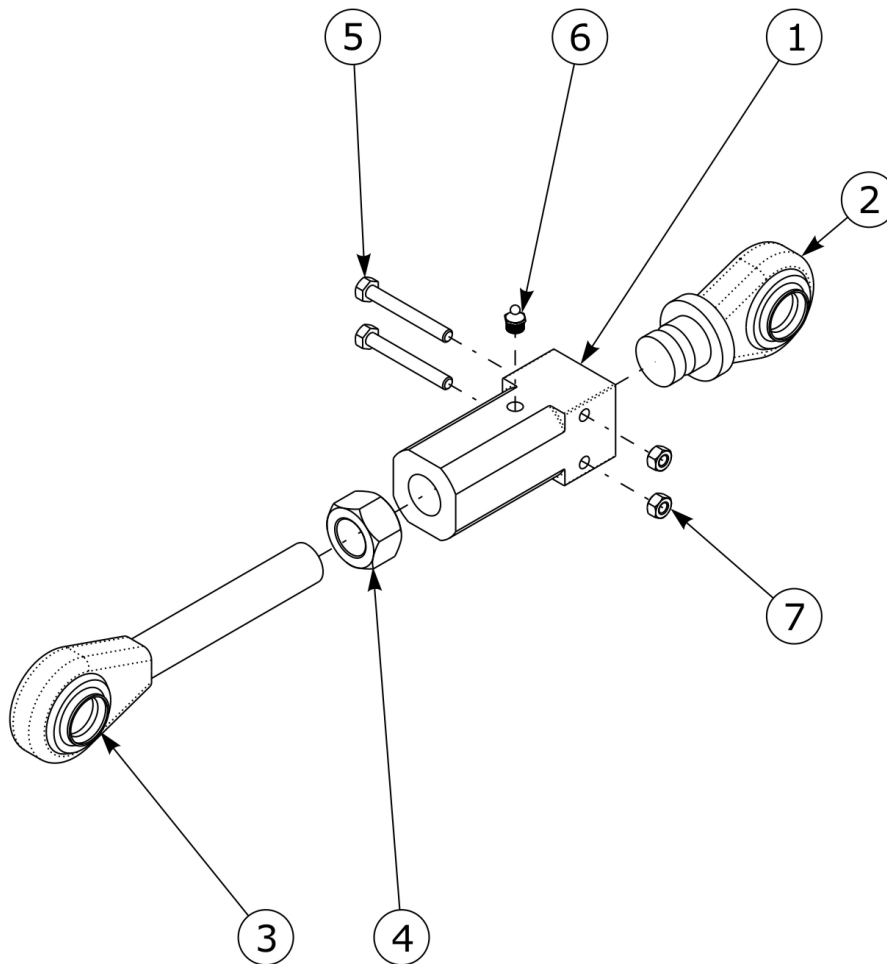
ITEM	PART NO.	QTY.	DESCRIPTION
1	00777831	1	WLDMT LH WING AXLE
2	00777830	1	WLDMT RH WING AXLE
3	00778962	1	WLDMT STANDARD AXLE
4	00009500	4	BOLT-HEX 3/4 NC 4-1/2 PL5
5	00751584	4	SPACER TUBE
6	00037200	4	NUT TOPLOCK 3/4 NC PLC
7	00605600	6	HHCS 1/2 NC 3-1/4 PL
8	00001800	6	LOCKNUT TLM 1/2 NV PLB
9	00763449	2	ASSEMBLY CONTROL ROD

AXLE ATTACHMENT



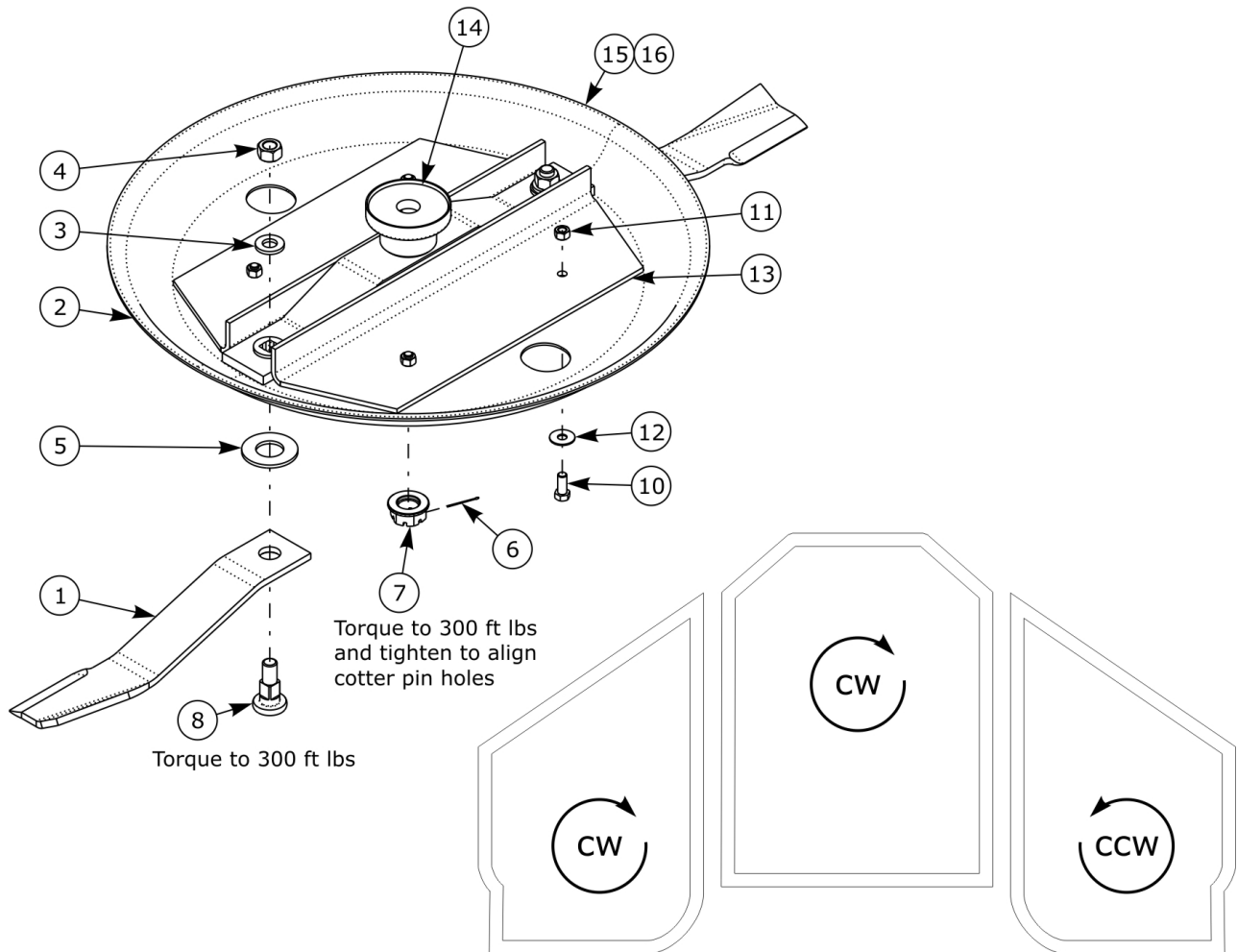
ITEM	PART NO.	QTY.	DESCRIPTION
1	00752278	2	HEXB 1 NC 7 PL5
2	02030300	6	NUT TOPLOCK 1 NC PLB
3	00750479	2	HEXB 1 NC 4-3/4 PL5
4	00016700	2	BOLT 1 NC 8 GR8

AXLE TURNBUCKLE ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
	00763449	1	ASSY-CONTROL-ROD
1	00763450A	1	TURNBUCKLE,1-1/8NC THRD 2 HOLE
2	00763962	1	WLDMT-TOP LINK
3	00763447	1	TOP LINK,THREADED
4	02012200	1	NUT HEX 1-1/8 NC PL
5	02152800	2	HEXB 5/16 NC 2-1/2PL
6	00780848	1	GREASE FITTING
7	00750940	2	NUT TOPLOCK 5/16 NC PLB

BLADE CARRIER ASSEMBLY



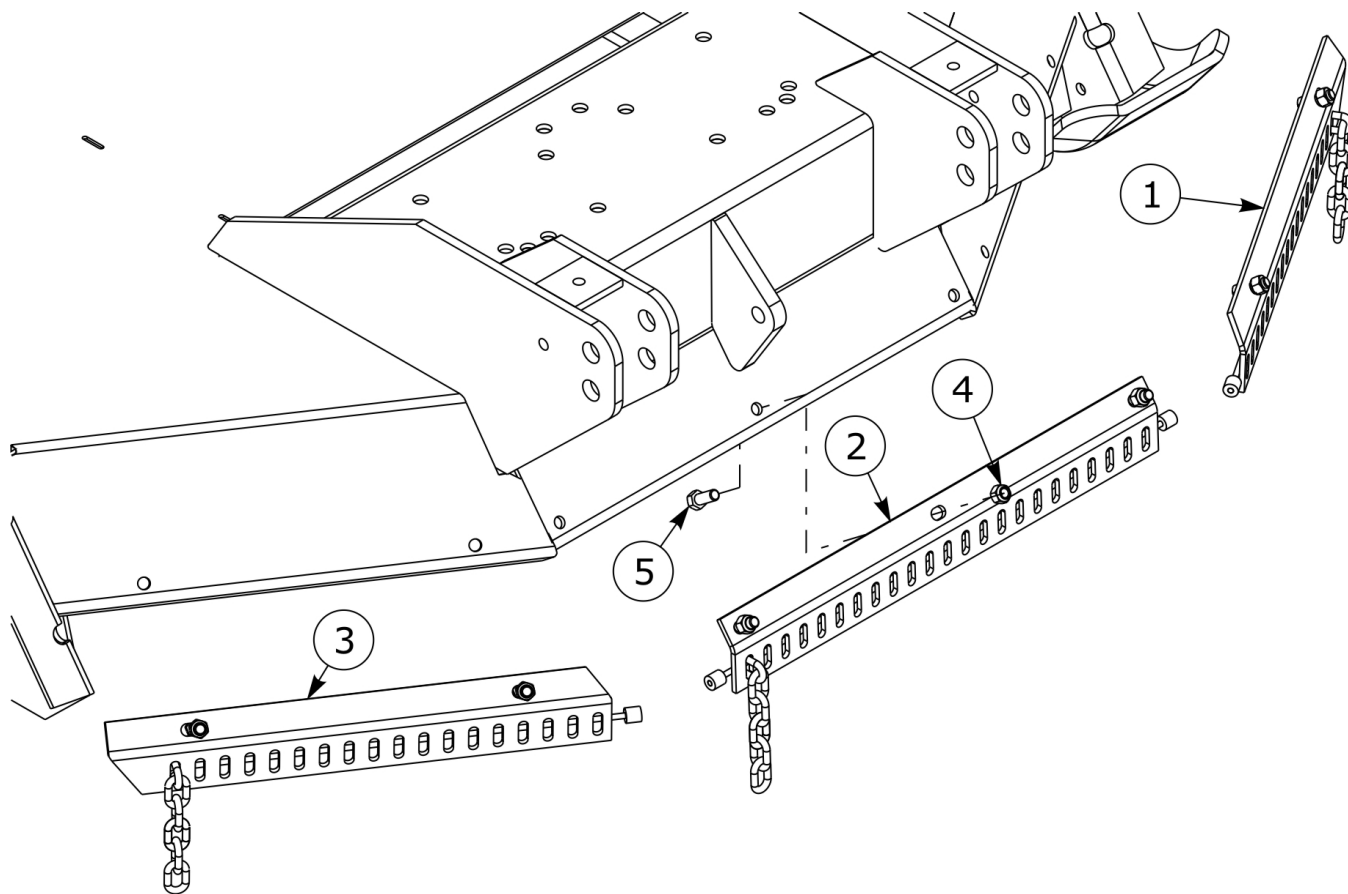
ITEM	PART NO.	QTY.	DESCRIPTION
1	0622010330	2	BLADE, CCW FAN (RIGHT WING)
	0652010330	4	BLADE CW - (LEFT WING & CENTER) (SHOWN)
	00762435	2	BLADE FAN CCW 5/8 HEAVY DUTY (RIGHT WING)
	00762438	4	BLADE FAN CW 5/8 HEAVY DUTY (LEFT WING & CENTER)
	0652010003	6	BLADE, FLAT (RIGHT WING, LEFT WING, AND CENTER)
	00757830	2	BLADE, CCW TWISTED-HIGH SUCTION (RIGHT WING)
	00757829	4	BLADE,CW TWISTED-HIGH SUCTION (LEFT WING & CENTER)
	00779371	2	BLADE PAN WELDMENT, WING SECTION LH OR RH
2	00779372	1	BLADE PAN WELDMENT, CENTER SECTION
	571045	6	WASHER
4	5GL16140	6	LOCKNUT 1 -14 LH TLN PL
5	00779283	6	WASHER
6	01422502	3	COTTER PIN
7	00777874	3	NUT, HEX SLOTTED FLANGED M36
8	B571044	3	BOLT SHOULDER - BLADE BOLT KIT (INCLUDES 2 BOLTS & 2 LOCKWASHERS)
10	02675800	4	HHCS 5/8-11UNC 1-1/2 PL5

BLADE CARRIER ASSEMBLY

Continued...

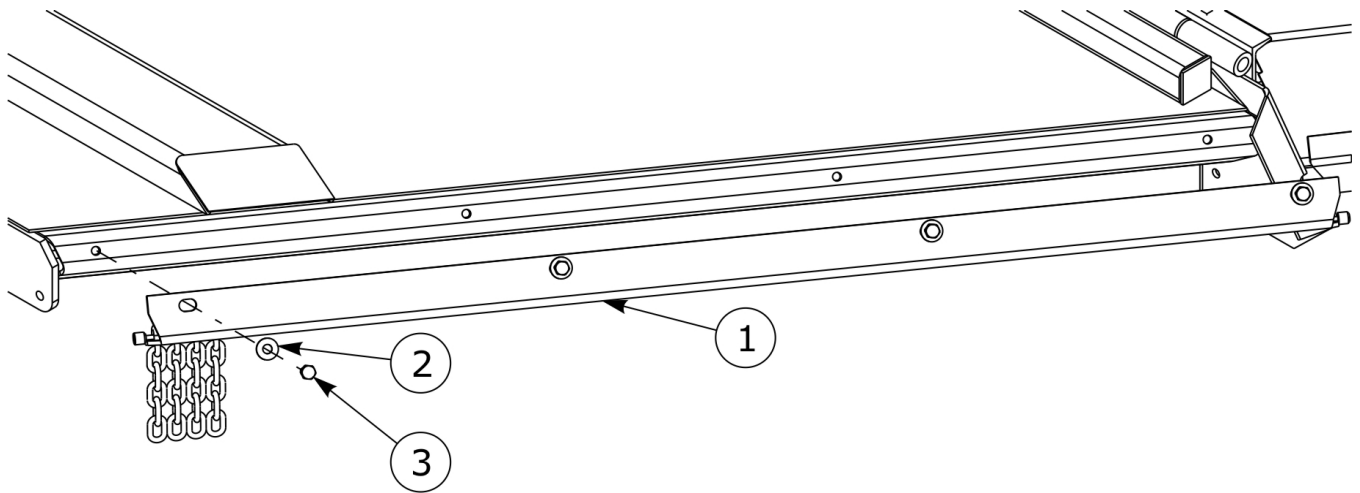
ITEM	PART NO.	QTY.	DESCRIPTION
11	00749136	4	NUT TOPLOCK 5/8 NF PLB
12	00756077	4	WASHER,5/8 HARDENED
13	00779373	1	WLDMT, WING BLADE BAR
14	00771304	1	SUPPORT, SEAL PROTECTOR SHIP
15	00779372	1	CENTER BLADE PAN
16	00779371	-	WING BLADE PAN

CHAINGUARD ASSEMBLY - FRONT CENTER



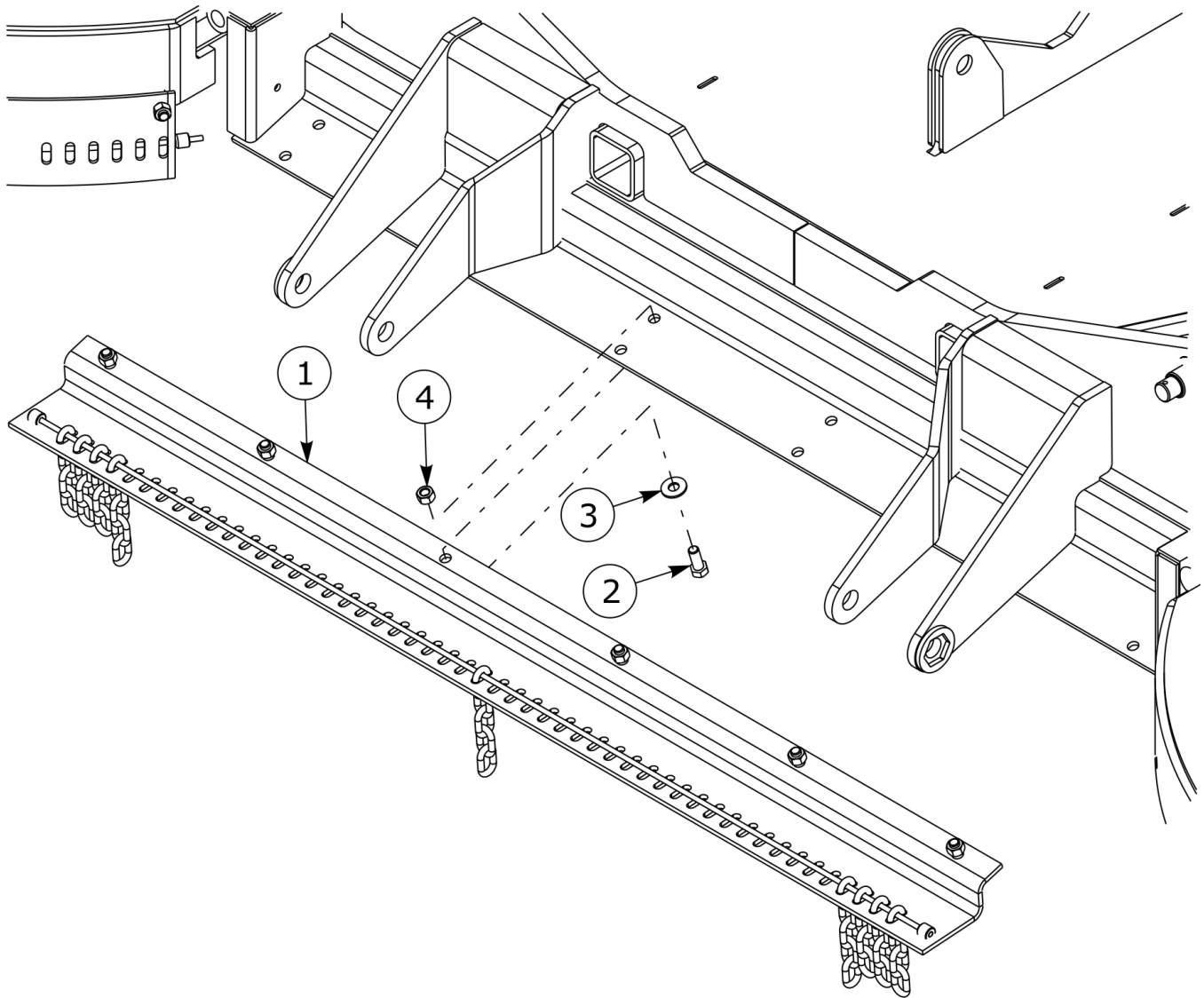
ITEM	PART NO.	QTY.	DESCRIPTION
1	00778190	1	DOUBLE CHAINGUARD, ASY, CTR LH
2	00778192	1	DOUBLE CHAINGUARD, ASY, CTR FRT
3	00778191	1	DOUBLE CHAINGUARD, ASY, CTR FRT RH
4	4526	7	FLANGE LOCKNUT 1/2 NC
5	02030700	7	HHCS 1/2-13UNC 1-1/4 PL5

CHAINGUARD ASSEMBLY - FRONT WING



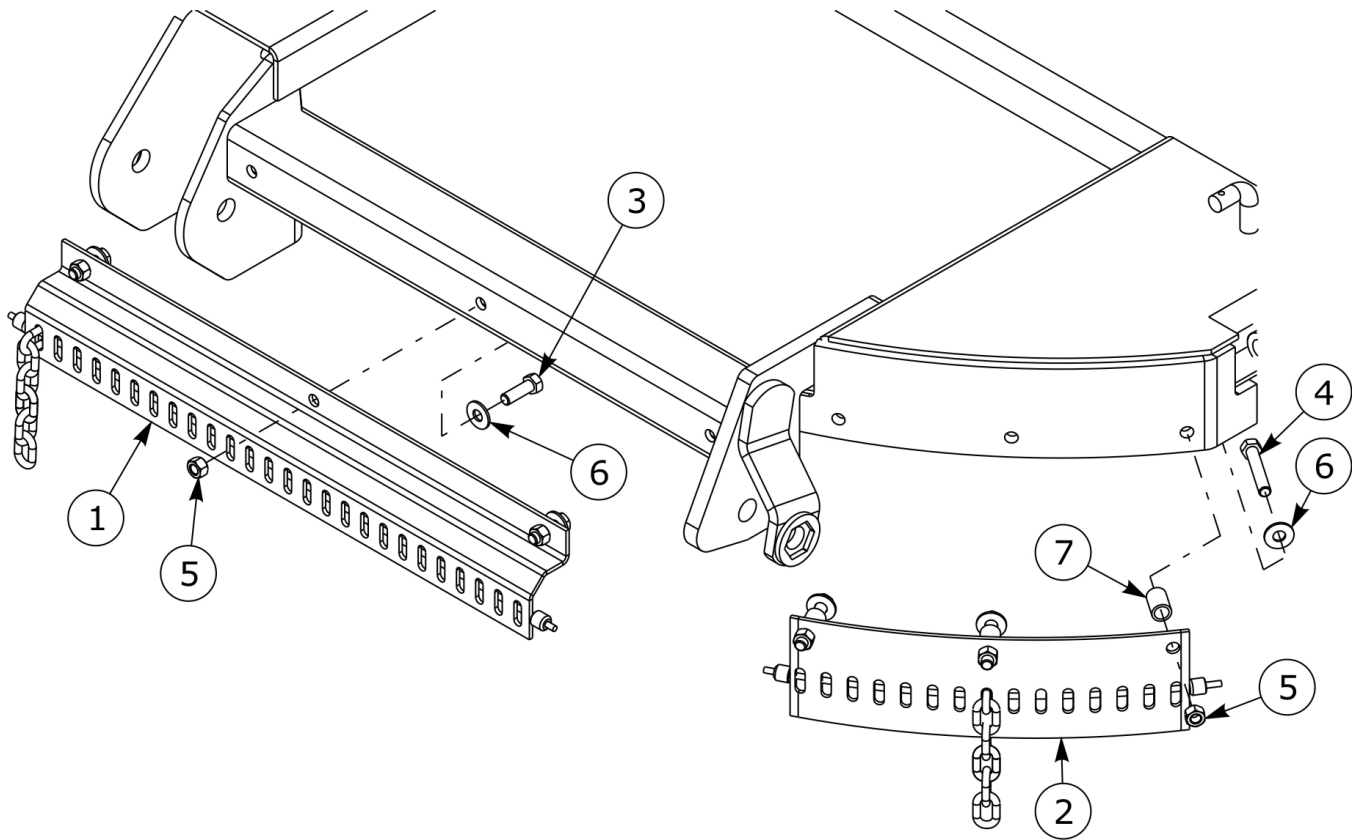
ITEM	PART NO.	QTY.	DESCRIPTION
1	00778141	1	DOUBLE CHAINGUARD ASSY, FRONT WING
2	00002700	4	FLATWASHER 1/2 PL STD
3	02030700	4	HHCS 1/2-13UNC 1-1/4 PL5

CHAINGUARD ASSEMBLY - REAR CENTER



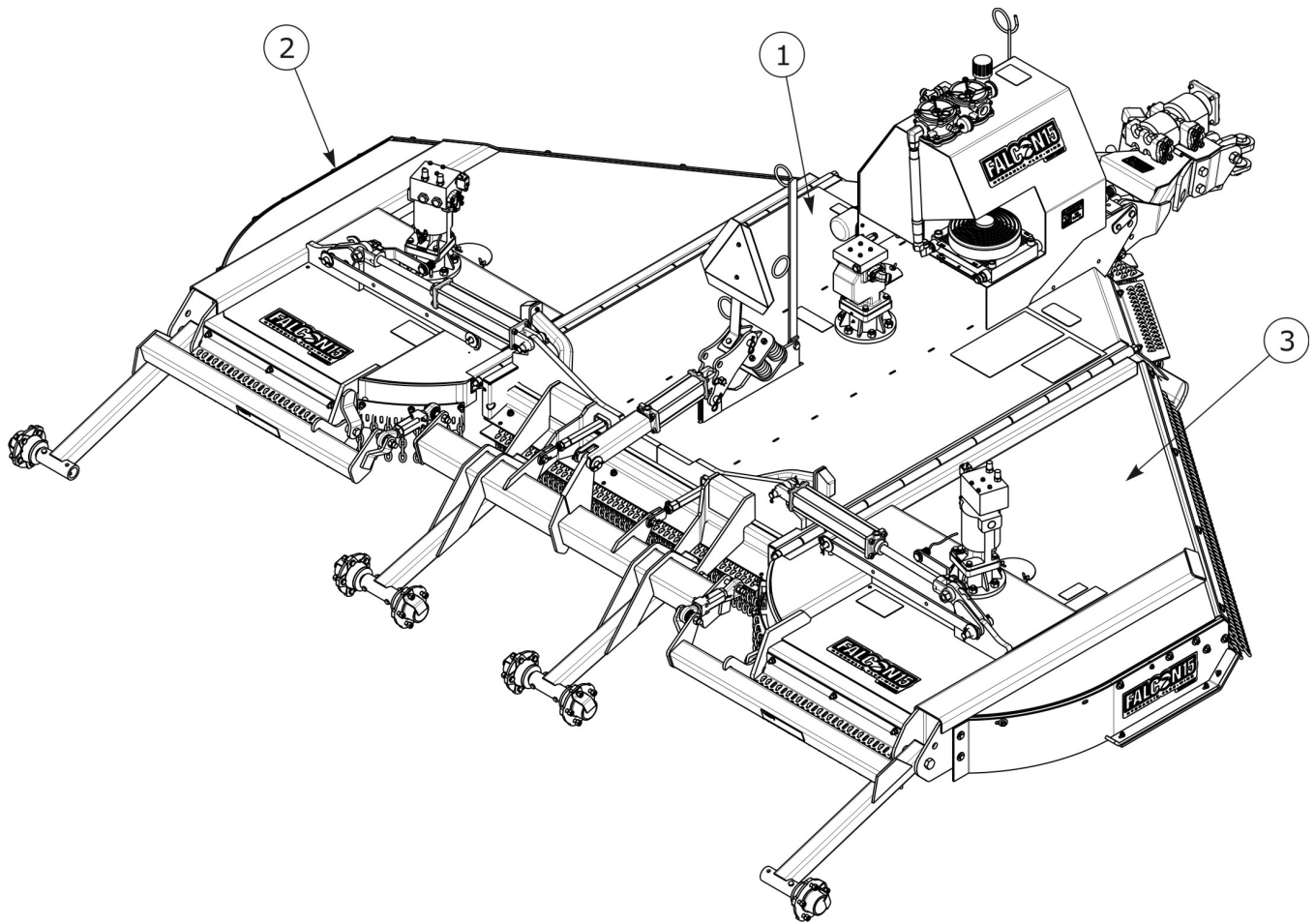
ITEM	PART NO.	QTY.	DESCRIPTION
1	00757447	1	DOUBLE CHAINGUARD ASSY, REAR CTR
2	02030700	6	HHCS 1/2-13UNC 1-1/4 PL5
3	00002700	6	FLATWASHER 1/2 PL STD
4	4526	6	NUT LOCK FLG WHIZ 1/2-13 NC PL

CHAINGUARD ASSEMBLY - REAR WING



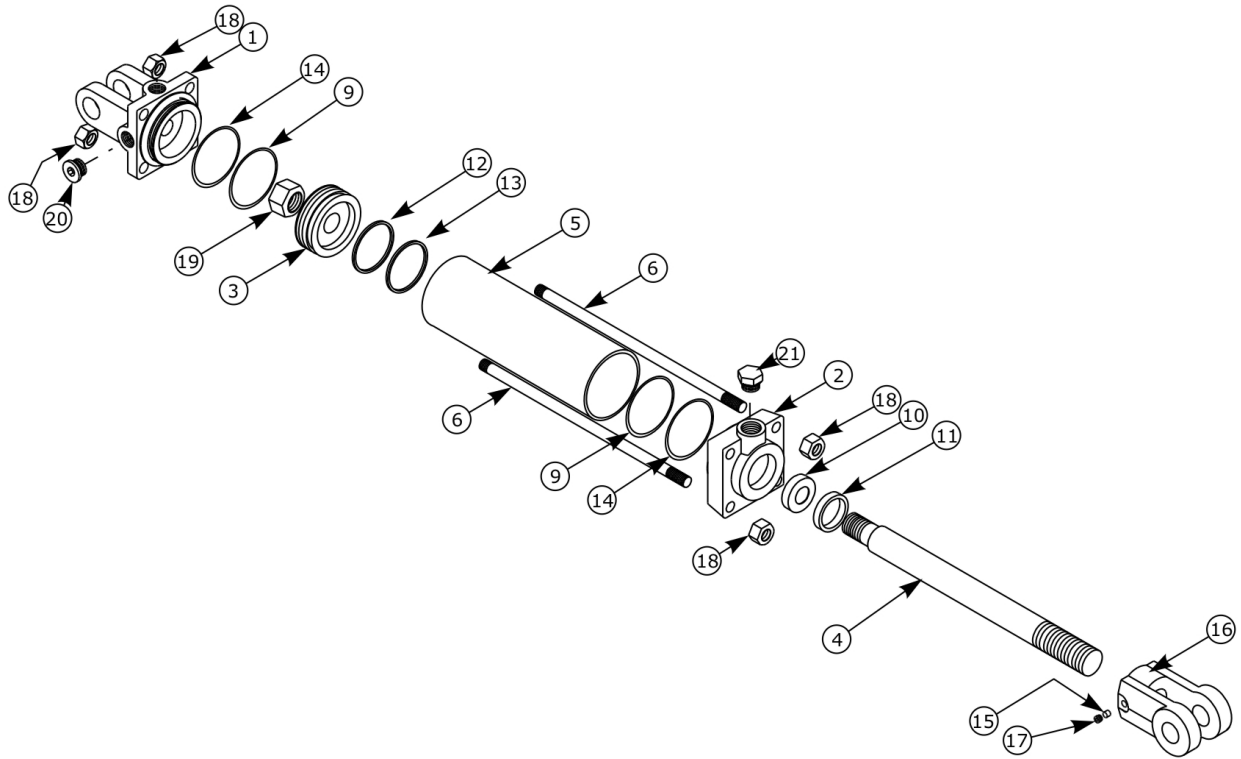
ITEM	PART NO.	QTY.	DESCRIPTION
1	00761275	1	DOUBLE CHAINGUARD ASSY, REAR WING
2	00763213	1	DOUBLE CHAINGUARD ASSY, REAR INSIDE WING
3	00748823	3	HHCS 1/2-13UNC 1-1/2 PL5
4	00753013	3	HHCS 1/2 NC 3 PL8
5	4526	6	NUT LOCK FLG WHIZ 1/2-13 NC PL
6	00002700	3	FLATWASHER 1/2 PL STD
7	00761027	3	PIPE SPACER

COMPLETE ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
1	00779322	1	WDMT, CENTER SECTION - FALCON 15
	02986648	1	WDMT, CENTER SECTION - FALCON 10
2	00777798	1	WDMT, LEFT WING - FALCON 15
3	00777799	1	WDMT, RIGHT WING - FALCON 15

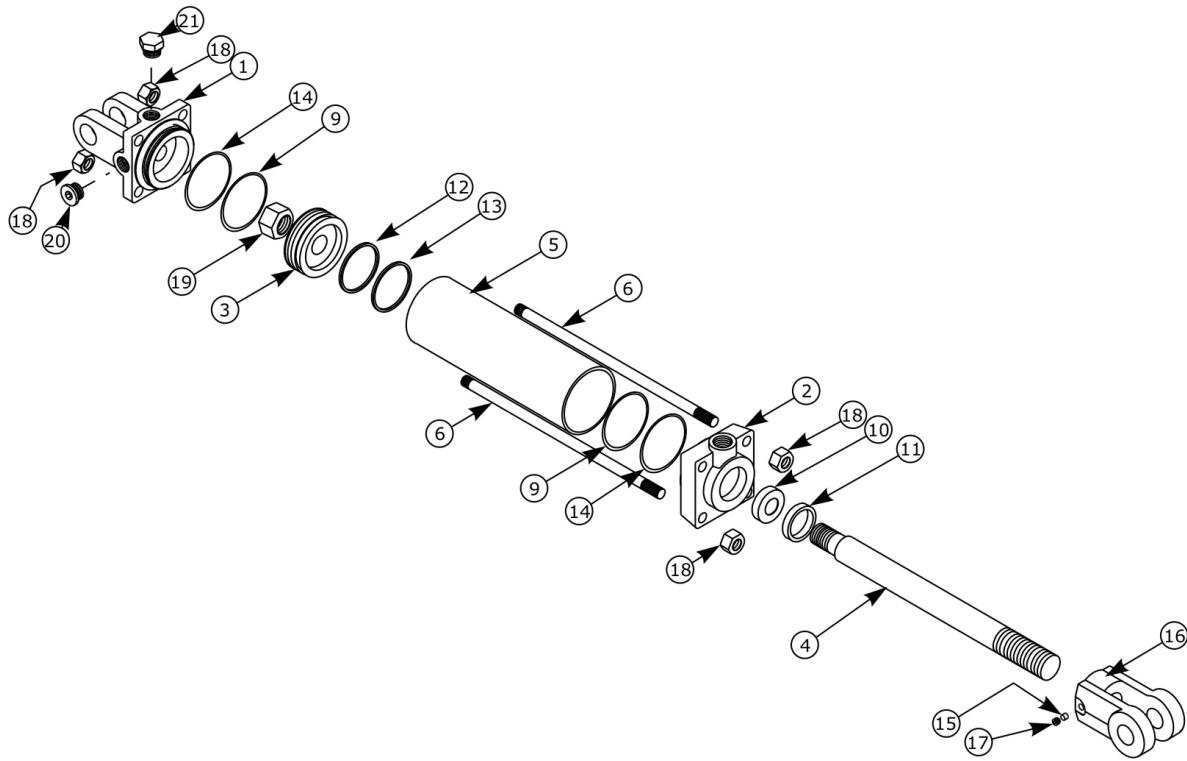
CYLINDER ASSEMBLY - CENTER



ITEM	PART NO.	QTY.	DESCRIPTION
	00759946A	1	CYLINDER ASSEMBLY
1	2417158	1	CLEVIS CAP
2	2417157	1	ROD CAP
3	00774732	1	PISTON
4	00774737	1	ROD
5	00774748	1	TUBE
6	00774742	4	TIE ROD
9	*	2	END CAP O-RING
10	*	1	ROD WIPER SEAL
11	*	1	ROD DUSTSEAL
12	*	1	PISTON SEAL
13	*	1	PISTON WEAR RING
14	*	2	END CAPBACKUPWASHERS
15	3047117	1	NYLONTHREAD PROTECTOR
16	1917140	1	ROD CLEVIS
17	00774740	1	SETSCREW
18	33005H5C	8	TIE ROD NUT
19	5JRC16140	1	PISTON NUT
20	1917132	1	PORTPLUG
21	2417154	1	BREATHER
*	00774761	1	SEAL KIT

NOTE:ITEMS 9-14 ARE INCLUDED IN SEAL KIT 00774761

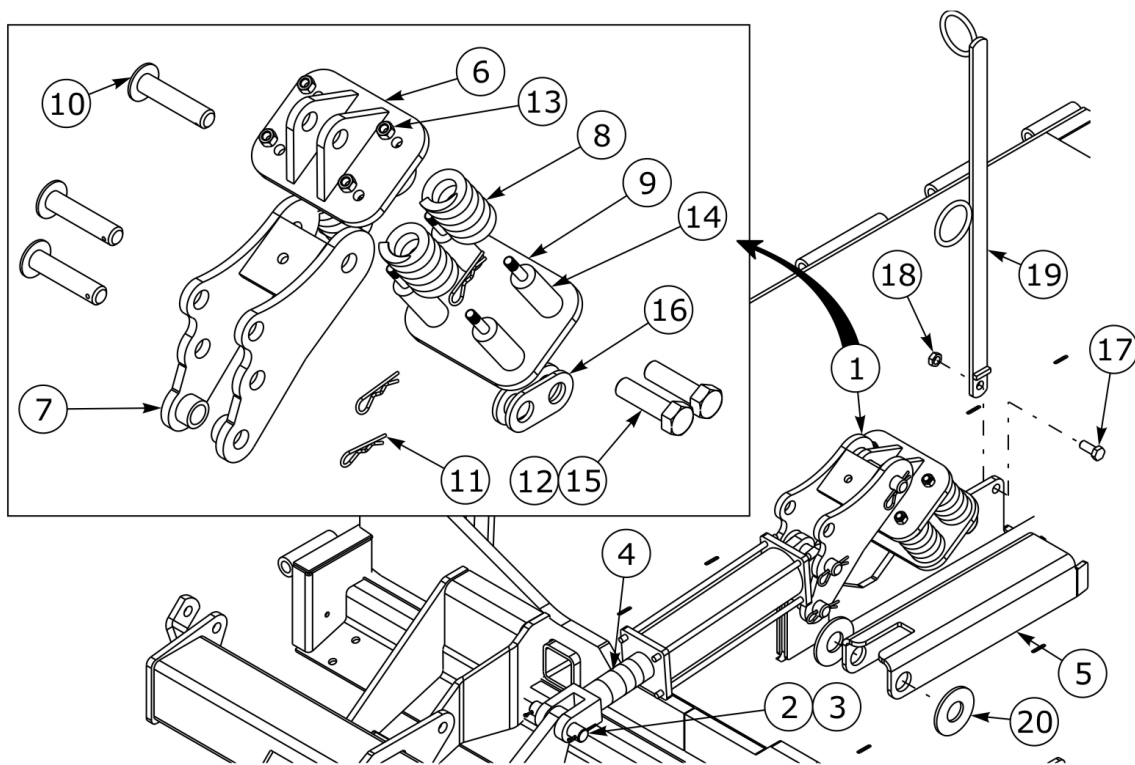
CYLINDER ASSEMBLY - WING



ITEM	PART NO.	QTY.	DESCRIPTION
	00759947A	1	CYLINDER ASSEMBLY
1	2417158	1	CLEVIS CAP
2	2417157	1	ROD CAP
3	00774732	1	PISTON
4	00774738	1	ROD
5	00774749	1	TUBE
6	00774743	4	TIE ROD
9	*	2	END CAP O-RING
10	*	1	ROD WIPER SEAL
11	*	1	ROD DUSTSEAL
12	*	1	PISTON SEAL
13	*	1	PISTON WEAR RING
14	*	2	END CAP BACKUP WASHERS
15	3047117	1	NYLON THREAD PROTECTOR
16	1917140	1	ROD CLEVIS
17	00774740	1	SETSCREW
18	33005H5C	8	TIE ROD NUT
19	5JRC16140	1	PISTON NUT
20	1917132	1	PORT PLUG
21	2417154	1	BREATHER
*	00774761	1	SEAL KIT

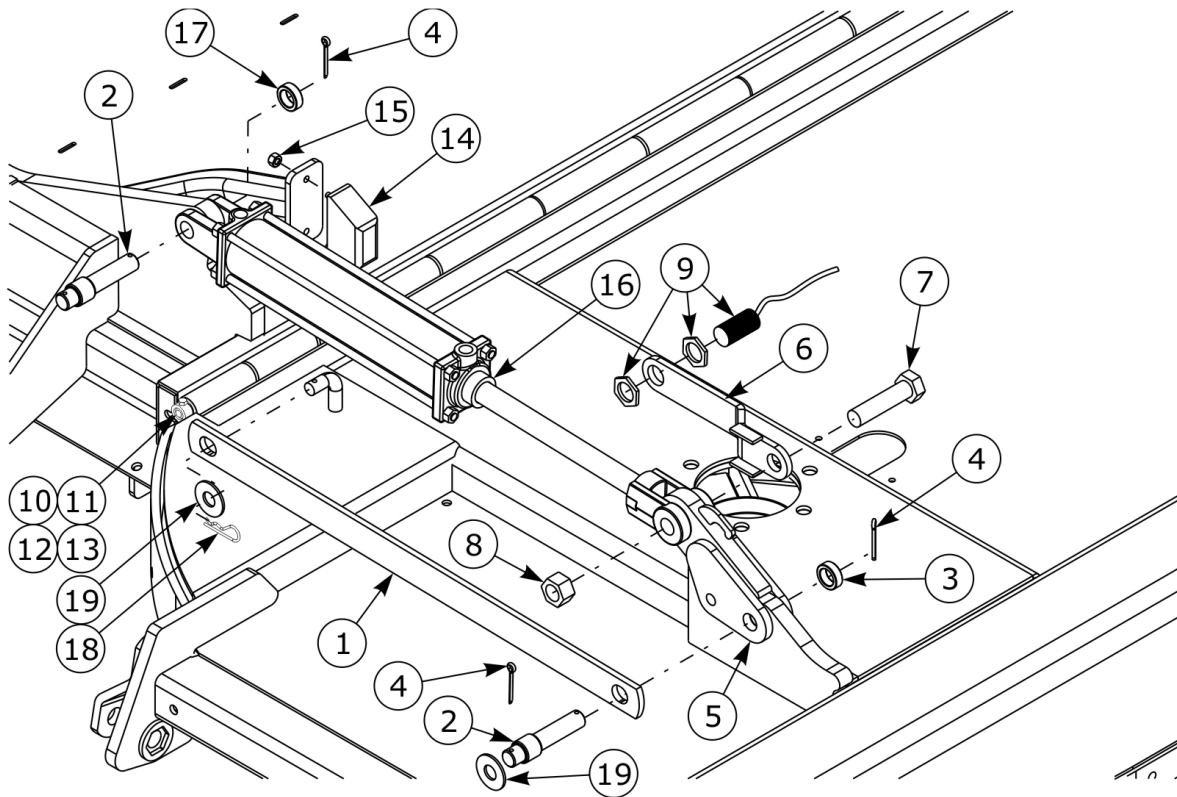
NOTE: ITEMS 9-14 ARE INCLUDED IN SEAL KIT 00774761

CYLINDER ATTACHMENT - CENTER



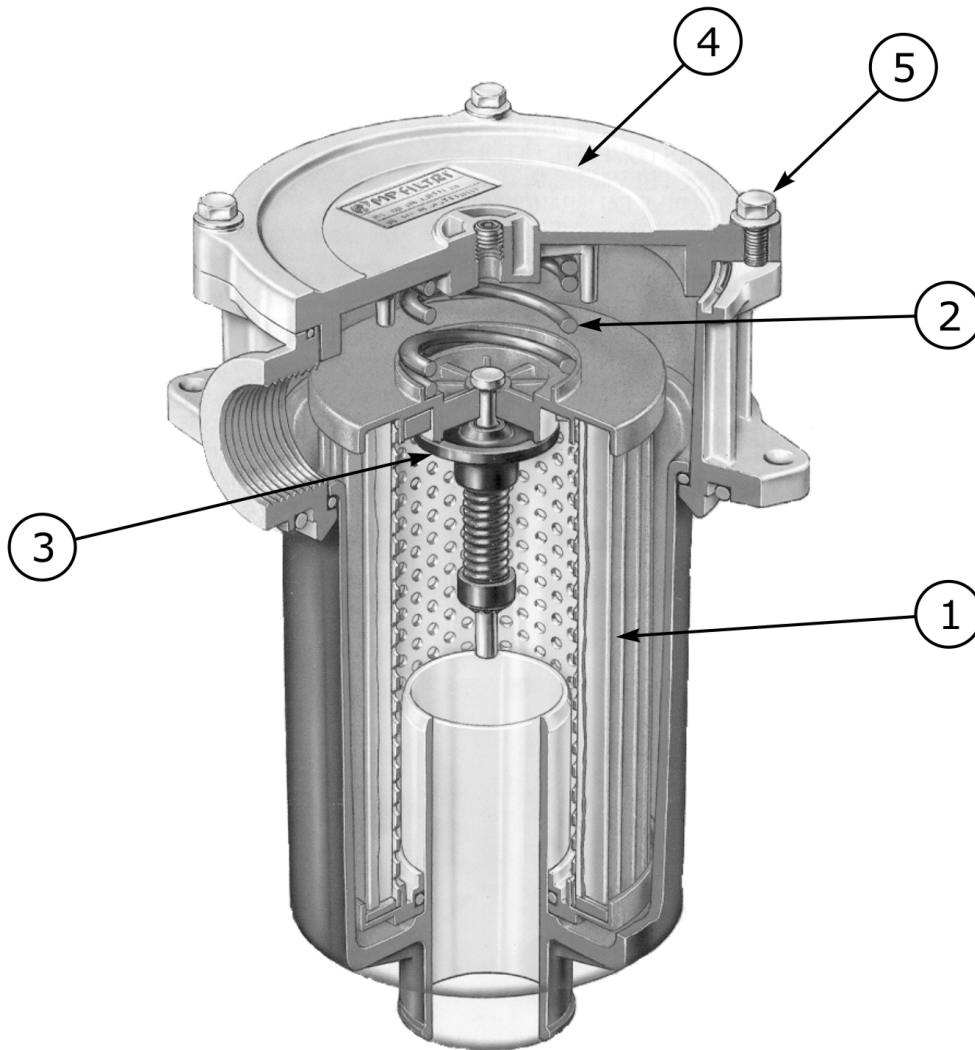
ITEM	PART NO.	QTY.	DESCRIPTION
1	00778942	1	ASY, SPRING POD
2	00606000	1	PIN-COTTER 3/16 X 2
3	103266	1	CYLINDER PIN
4	00755234	1	CONTROL SPACER KIT
5	00777963	1	PLATE, TRANSPORT LOCK
6	00778939	1	SPRING SUPPORT WELDMENT
7	00778940	2	WLDMT, PIVOT ARM
8	371063A	2	SPRING
9	00778933	1	WLDMT, BASE SPRING POD
10	0656460240	2	WLDMT-PIN
11	37107B13	4	CLIP-X HAIR PIN
12	02030300	1	NUT TOPLOCK 1 NC PLB
13	00001800	2	LOCKNUT TLM 1/2 NC PLB
14	00779069	3	SPRING GUIDE AND SPACER
15	00781043	2	HHCS 1 NC 3-1/2 PL5
16	00779106	2	SPRING POD SPACER
17	02675800	1	HHCS 5/8-11 X 1-1/2 PL5
18	00695100	1	LOCKNUT TOPLOCK 5/8NC PLB
19	02985379	1	WLDMT HOSE BRACKET
20	02822500	2	FLATWASHER 1 PL

CYLINDER ATTACHMENT - WING



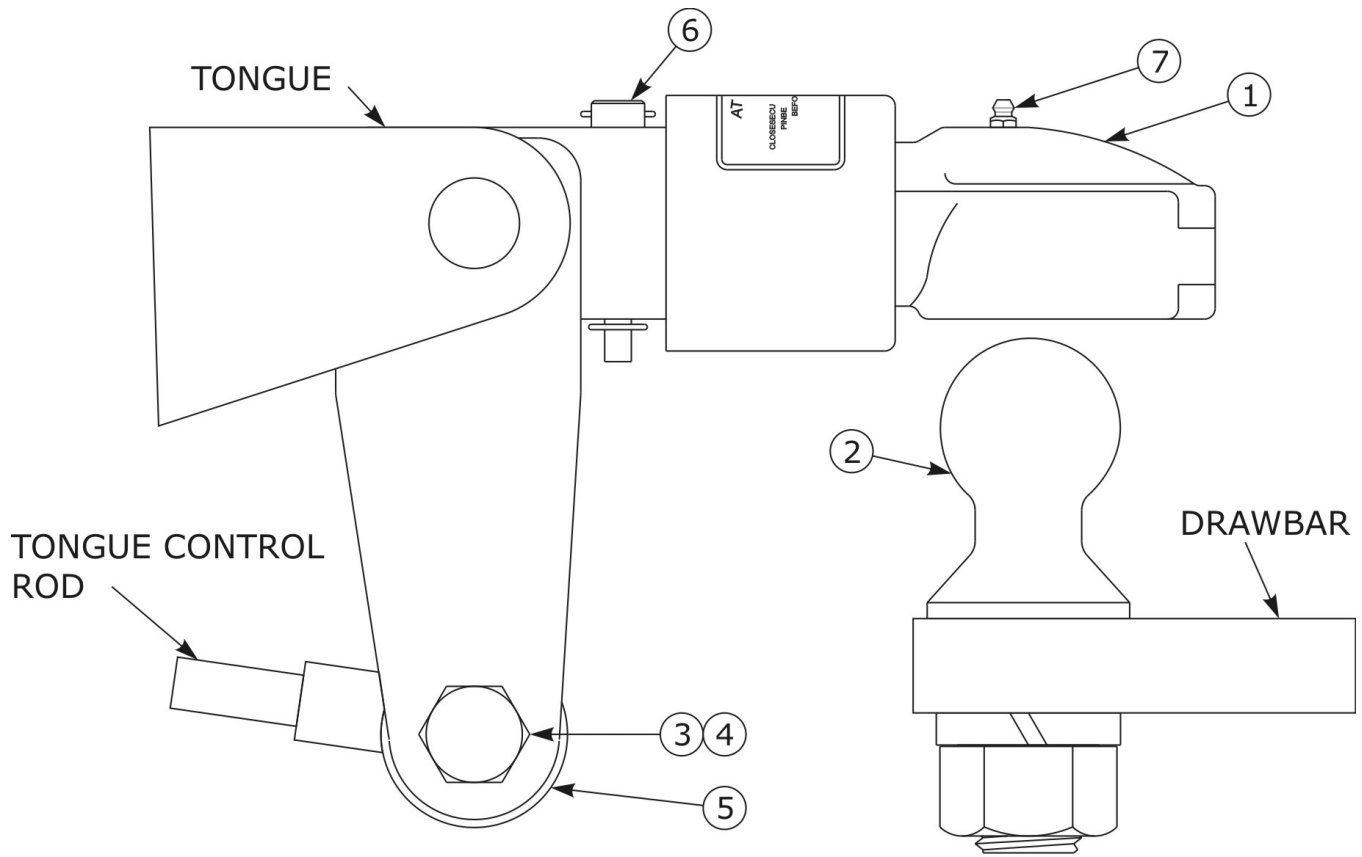
ITEM	PART NO.	QTY.	DESCRIPTION
1	00775174	1	FLAT TRANSPORT BAR
2	8352	2	PIN ASSEMBLY
3	00761504	1	SPACER 1-1/2 OD X 1 ID X 1 LG
4	00606000	4	PIN-COTTER 3/16 X 2
5	02985161	1	WLDMT FLOATING LINK
6	02985146	1	WLDMT SWITCH MOUNT BAR
7	02712500	1	HHCS 1 NC 4 PL8
8	02030300	1	NUT TOPLOCK 1 NC PLB
9	02985147	1	SWITCH PROXIMITY 12VDC 6A
10	00777186	2	HINGE ROD CAP
11	651091	1	WDMT, HINGE PIN
12	02766400	1	HEXB 5/16 NC 1-1/2
13	00750940	1	LOCKNUT TLM 5/16 NC
14	00776591	1	BUMPER, WING RUBBER
15	00755934	2	NUT MET 8MM-P1.25
16	02986239	1	SPACER CYLINDER COLLAR
17	00761503	1	SPACER 1-1/2 OD X 1 ID X 1/2 LG
18	37107B13	1	HAIRPIN CLIP
19	02822500	2	FLATWASHER 1 PL

FILTER ASSEMBLY



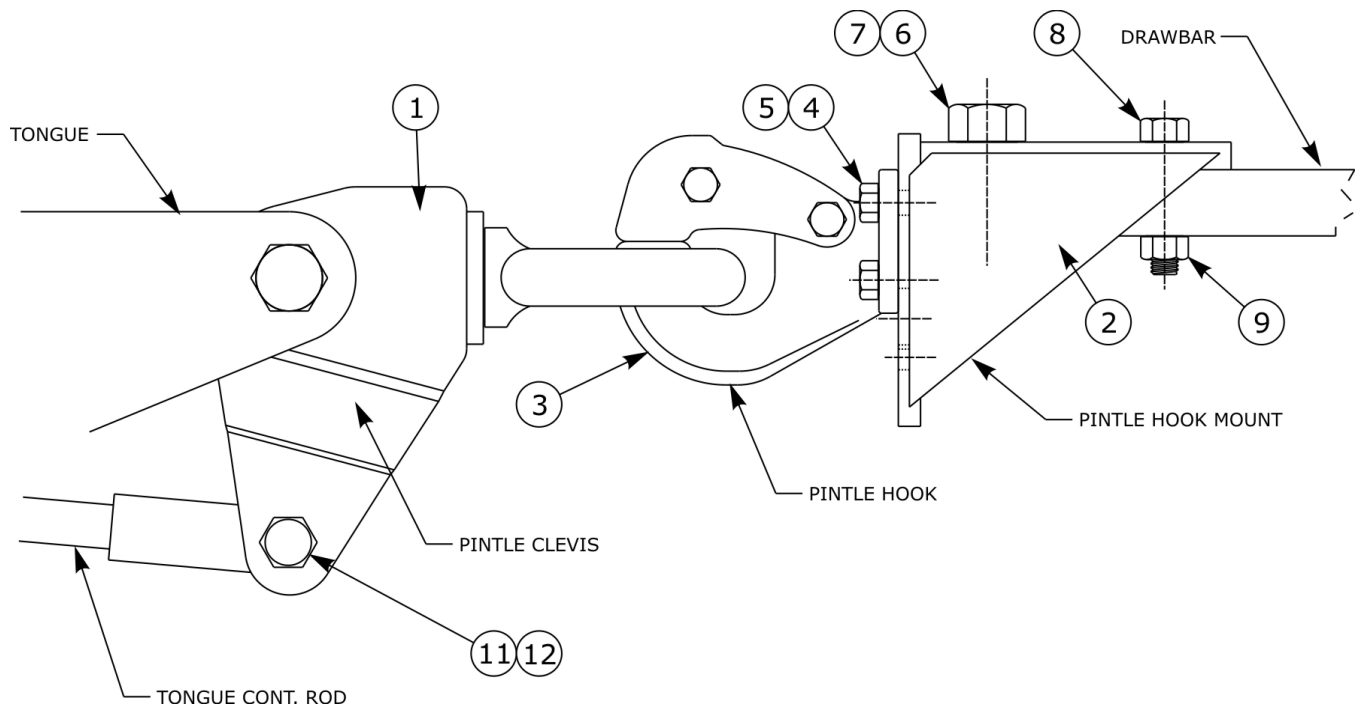
ITEM	PART NO.	QTY.	DESCRIPTION
	02964748	1	FILTER ASY
1	02961001	1	FILTER ELEMENT REPLACEMENT ONLY
2	02972678	1	SPRING, FILTER CARTRIDGE
3	02973782	1	VALVE, FILTER BYPASS
4	02978349	1	FILTER COVER
5	02978355	1	NUT AND BOLT KIT F/ TOP COVER
	02978354	1	SEAL KIT

HITCH OPTION - CAPTIVE BALL COUPLER



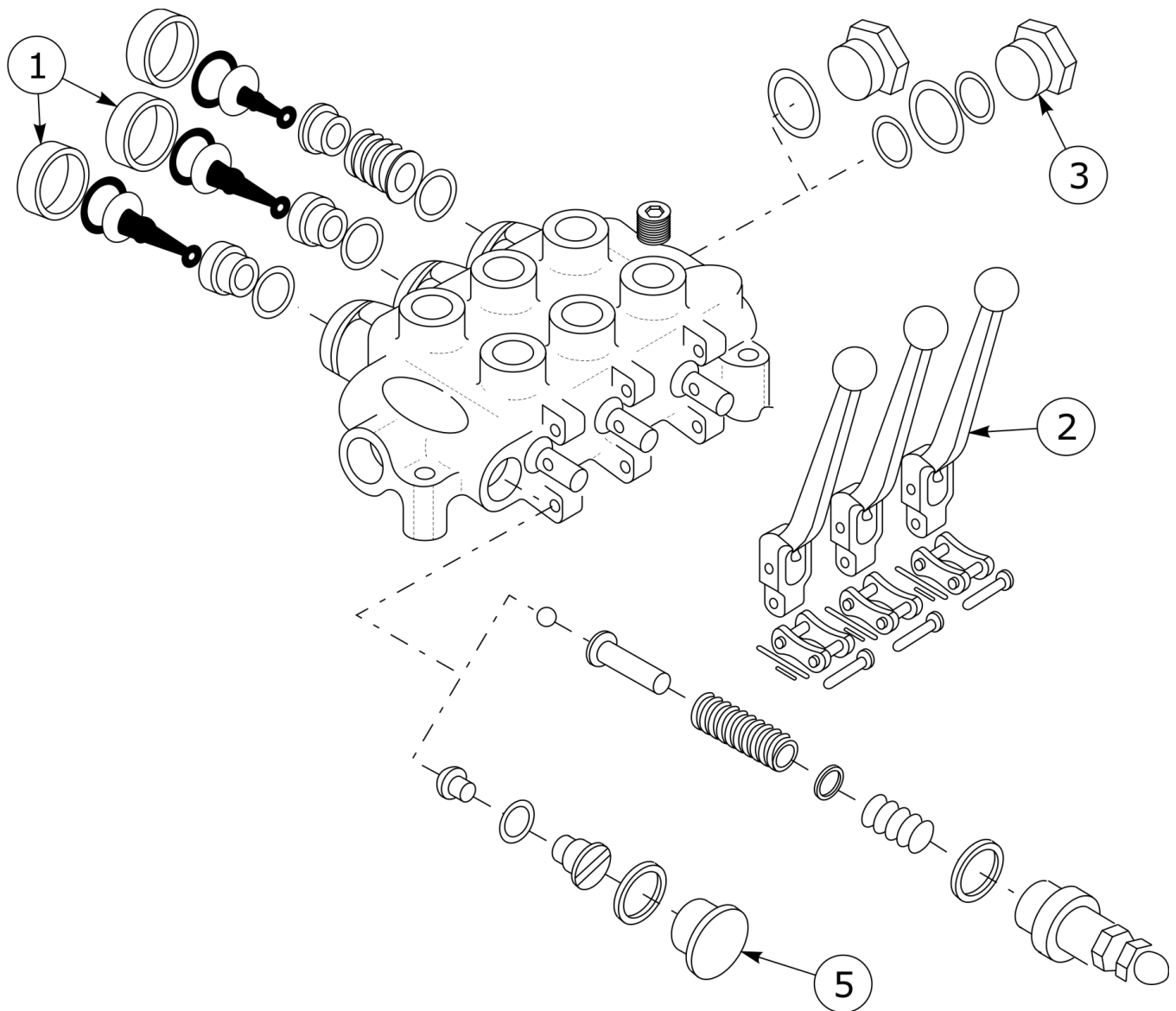
ITEM	PART NO.	QTY.	DESCRIPTION
	00769178	1	ASY,CAPTIVE BALL HITCH
1	00759331	1	COUPLER CLEVIS WELDMENT
2	00758938	1	BALL, HITCH 2-5/16 BALL 1-1/4
3	02960916	1	HHCS 3/4 NC 5 PL8
4	00037200	1	NUT TOPLOCK 3/4 NC PLC
5	15B1200	2	WASHER 3/4 P SAE
6	00769398	1	ASY,CHAIN & PIN
7	00752670	1	FITTING,GREASE STRAIGHT 1/4-28

HITCH OPTION - PINTLE HOOK



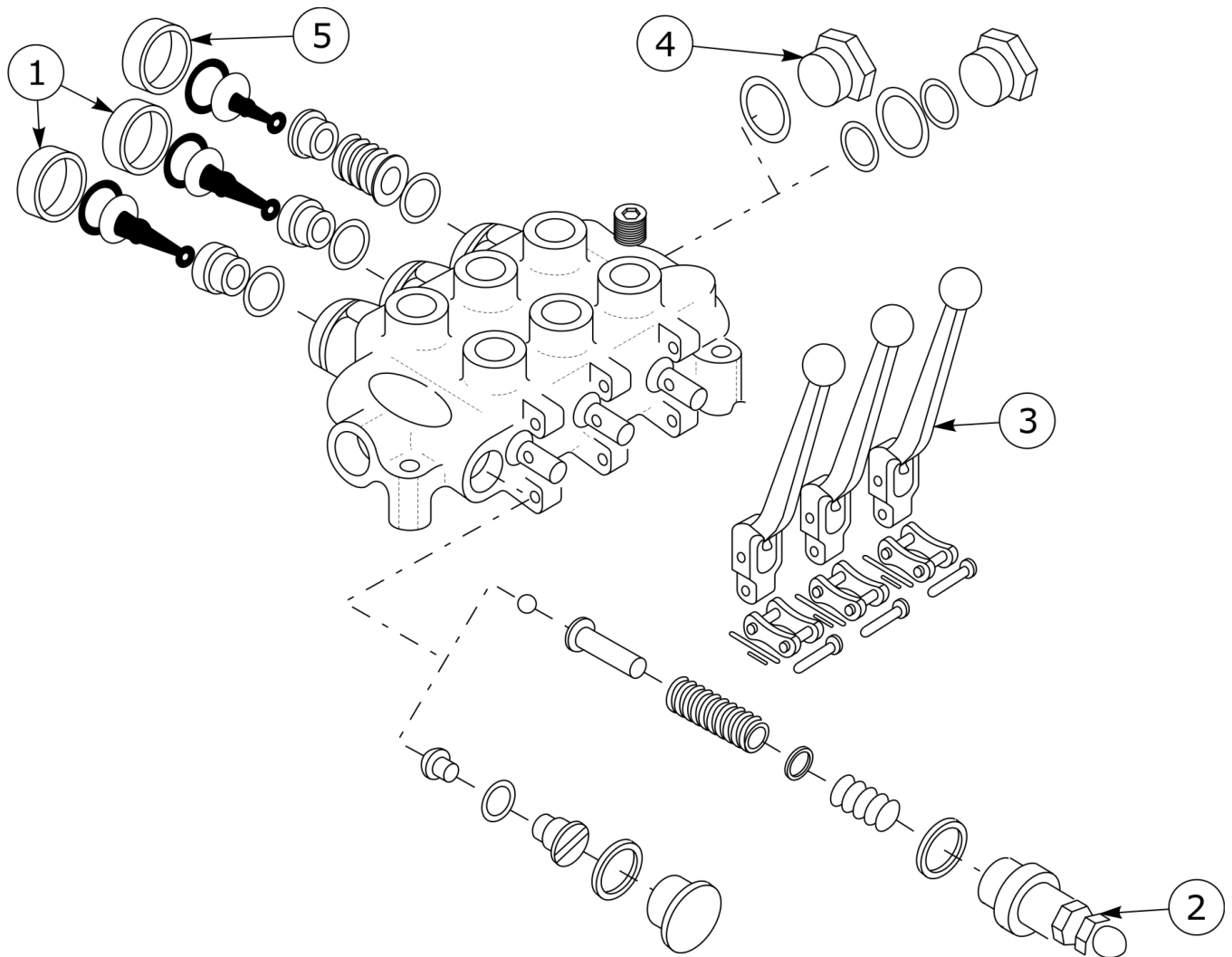
ITEM	PART NO.	QTY.	DESCRIPTION
	00773869	1	ASY PINTLE HOOK OPTION
1	00773872	1	WLDMT PINTLE HOOK CLEVIS
2	00752283	1	WLDMT, PINTLE HOOK MOUNTING
3	00752279	1	PINTLE HOOK
4	02891800	4	HHCS 1/2 NC 1-3/4 PL8
5	00001800	4	LOCKNUT TLM 1/2 NC PLB
6	02712500	1	HHCS 1 NC 4 PL8 SPECIAL
7	02030300	1	NUT TOPLOCK 1 NC PLB
8	02845600	1	HEXB 5/8 NC 3 PL5
9	00695100	3	NUT, TOPLOCK 5/8 NC PLB
10	00003300	1	HEXB 3/4 NC 4 PL5
11	00037200	1	NUT TOPLOCK 3/4 NC PLC

HYDRAULIC CONTROL VALVE - CLOSED CENTER



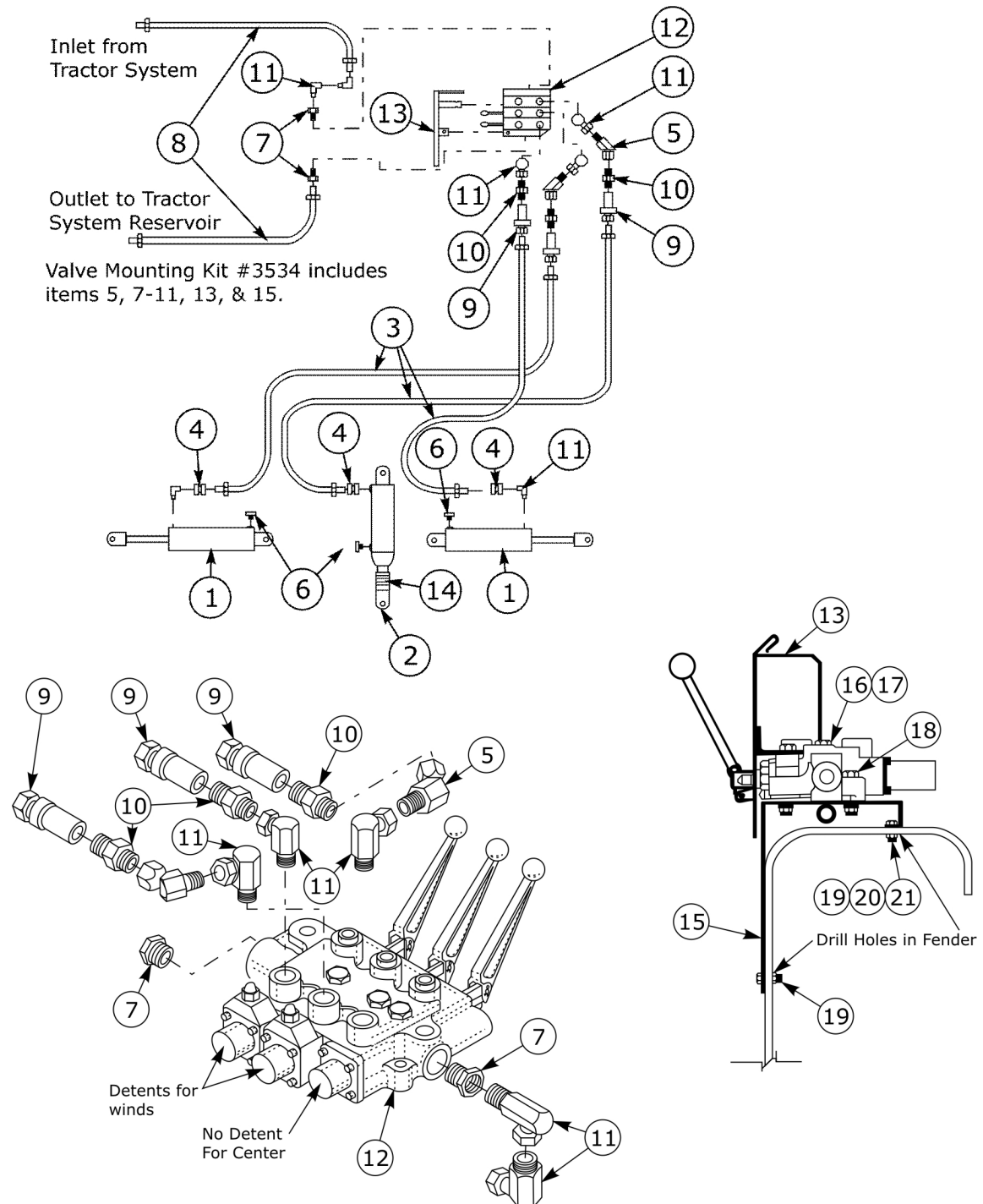
ITEM	PART NO.	QTY.	DESCRIPTION
	00759833	1	CLOSED CENTER VALVE
1	00751139	3	DETENT REPAIR KIT
2	00751142	3	HANDLE ASSEMBLY
3	00751002	1	CLOSED CENTER PLUG
4	00751556	1	SPOOL SEAL KIT FOR ITEM #1 OR #2 (NOT SHOWN)
5	00752057	1	NON-RELIEF VALVE PLUG (CLOSED CENTER)

HYDRAULIC CONTROL VALVE - OPEN CENTER



ITEM	PART NO.	QTY.	DESCRIPTION
	00380200	1	OPEN CENTER VALVE
1	00751139	2	DETENT REPAIR KIT
2	00751140	1	HIGH PRESSURE RELIEF VALVE KIT
3	00751142	3	HANDLE ASSEMBLY
4	00751141	1	PLUG (OPEN CENTER)
5	00751358	1	REPAIR KIT-SPRING RETURN TO CENTER
6	00751556	1	SPOOL SEAL KIT FOR ITEM #1 OR #2 (NOT SHOWN)

HYDRAULIC CONTROL VALVE WITH MOUNTING KIT

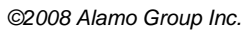


HYDRAULIC CONTROL VALVE WITH MOUNTING KIT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	2	WING LIFT CYLINDER
2	-----	1	AXLE LIFT CYLINDER
3	-----	3	HYDRAULIC HOSE
4	00774574	2	RESTRICTOR ELBOW 90 DEG.
5	000999	2	ADP. PIPE ELBOW 45 DEG.
6	-----	3	BREATHER
7	7323	2	BUSHING REDUCER
8	1347	2	HYDRAULIC HOSE
9	2107	3	QUICK DISCONNECT COUPLER
10	02960460	3	STRAIGHT ADAPTER
11	94514	5	ELBOW 90 DEG. SWIVEL
12	-----	1	OPEN VALVE BANK
	-----	1	CLOSED VALVE BANK
13	00759682	1	SHIELD, KIT VALVE MOUNT
14	-----	1	STROKE CONTROL
15	8166	1	FENDER BRACKET
16	10204000	2	BOLT
17	7336	2	SPACER SHIELD
18	00010600	1	BOLT
19	00011400	4	BOLT
20	00012101	7	LOCKWASHER
21	00013901	7	NUT

FALCON 10 and 15 09-08



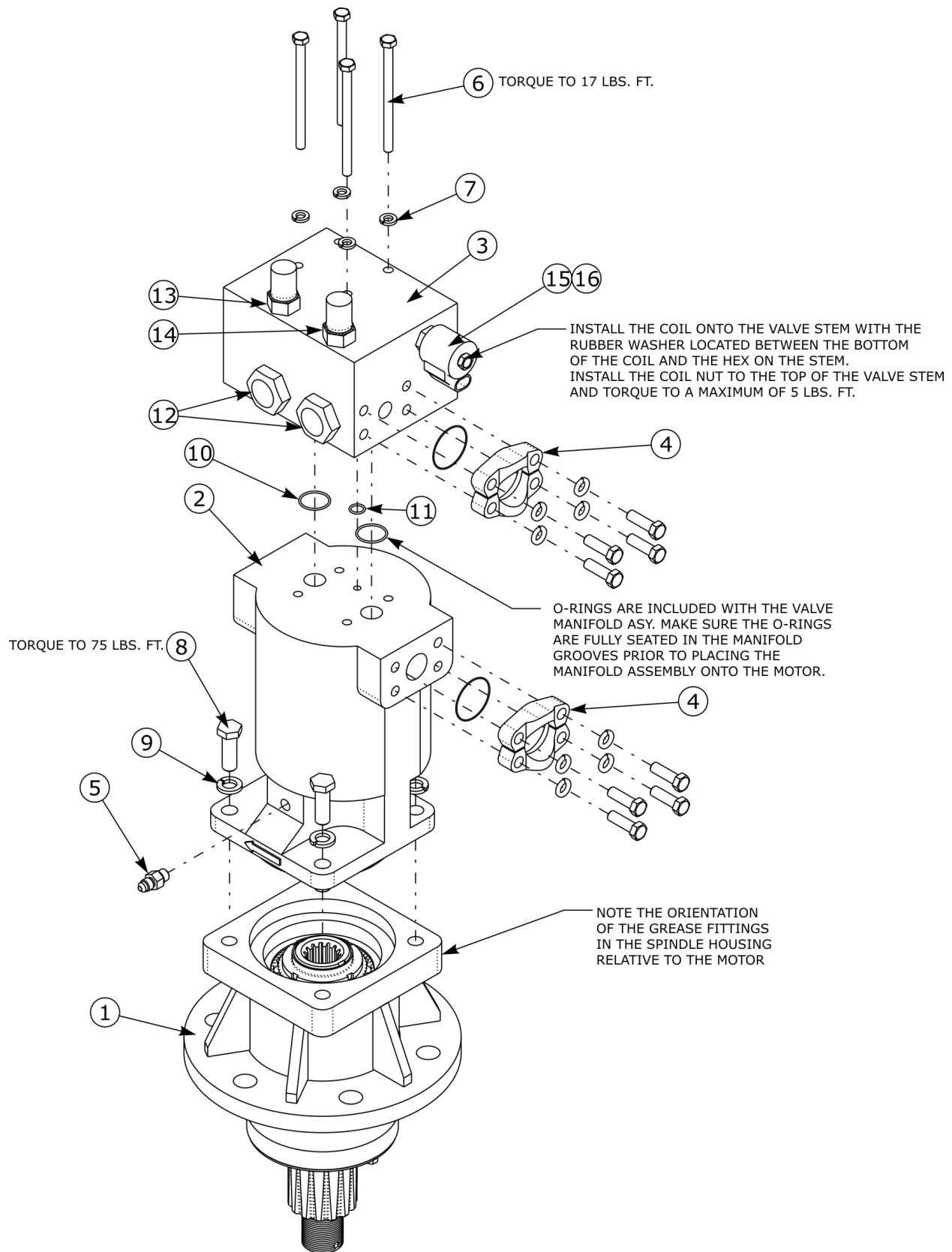
HYDRAULIC MOTOR AND SPINDLE ASSEMBLY - CENTER

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02985246	1	ASY MOTOR & SPINDLE - CENTER
1	02978485	1	CENTER MOTOR
2	00016200	4	HHCS 5/16 NC 2 PL5
3	00011700	4	LOCKWASHER 5/16 PL STD
4	02978488	1	CENTER MOTOR MANIFOLD ASSEMBLY
5	02984764	1	ASSEMBLY SPINDLE
6	00750317	2	SPLIT FLANGE KIT, #16
7	02892000	4	BOLT 1/2 NC 1-1/2 LG GR8
8	00001300	4	LOCKWASHER 1/2 PL STD
9	02979490	1	O-RING
10	02979493	1	RELIEF CARTRIDGE, 3000 PSI
	02979191	1	RELIEF VALVE SEAL KIT
11	02979497	1	CARTRIDGE, CHECK VALVE

NOTE: ITEMS 9, 10, AND 11 ARE INCLUDED IN ITEM 4, (02978488 - CENTER MOTOR MANIFOLD ASSEMBLY).

HYDRAULIC MOTOR AND SPINDLE ASSEMBLY - LEFT WING



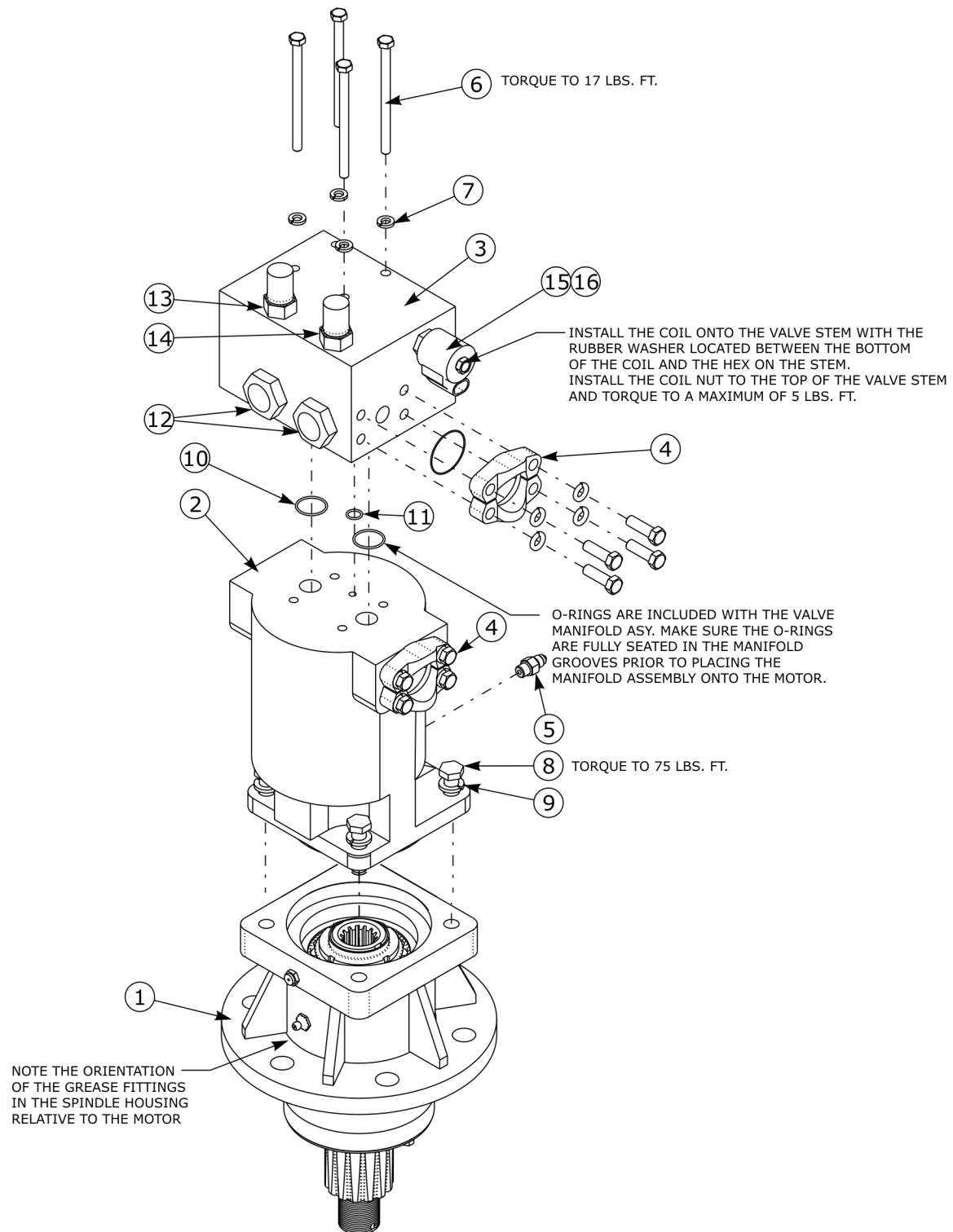
HYDRAULIC MOTOR AND SPINDLE ASSEMBLY - LEFT WING

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02985255	1	ASY MOTOR & SPINDLE-RIGHT WING
1	02984764	1	SPINDLE ASSEMBLY
2	02978487	1	MOTOR, LH WING
3	02985842	1	WING MOTOR MANIFOLD ASSEMBLY
4	00750317	2	SPLIT FLANGE KIT, #16
5	02962181	1	ADP HYD STGHT 4MB-4MJ
6	02733700	4	BOLT, HEX HEAD 5/16"-NC X 4-1/2" PL GR5
7	00011700	4	LOCKWASHER, 5/16 PL STD
8	02892000	4	BOLT, HEX HEAD 1/2"-13 NC X 1-1/2" PL GR8
9	00001300	4	LOCKWASHER, 1/2 PL STD
10*	02979490	2	O-RING
11*	02979489	1	O-RING
12*	02979494	2	CARTRIDGE, SPOOL TYPE LOGIC,
	02980979	1	LOGIC VALVE SEAL
13*	02979492	1	RELIEF CARTRIDGE, 800 PSI
	02979191	1	RELIEF SEAL KIT
14*	02986000	1	CARTRIDGE RELIEF 3000PSI
	02979191	1	RELIEF SEAL KIT
15*	02979495	1	SOLENOID CARTRIDGE
	02979330	1	VALVE SEAL KIT
16	02985085	1	COIL 12VDC METRI-PACK

NOTE: ITEMS 10-15 ARE INCLUDED IN ITEM 3, (02985842 - WING MOTOR MANIFOLD ASSEMBLY).

HYDRAULIC MOTOR AND SPINDLE ASSEMBLY - RIGHT WING



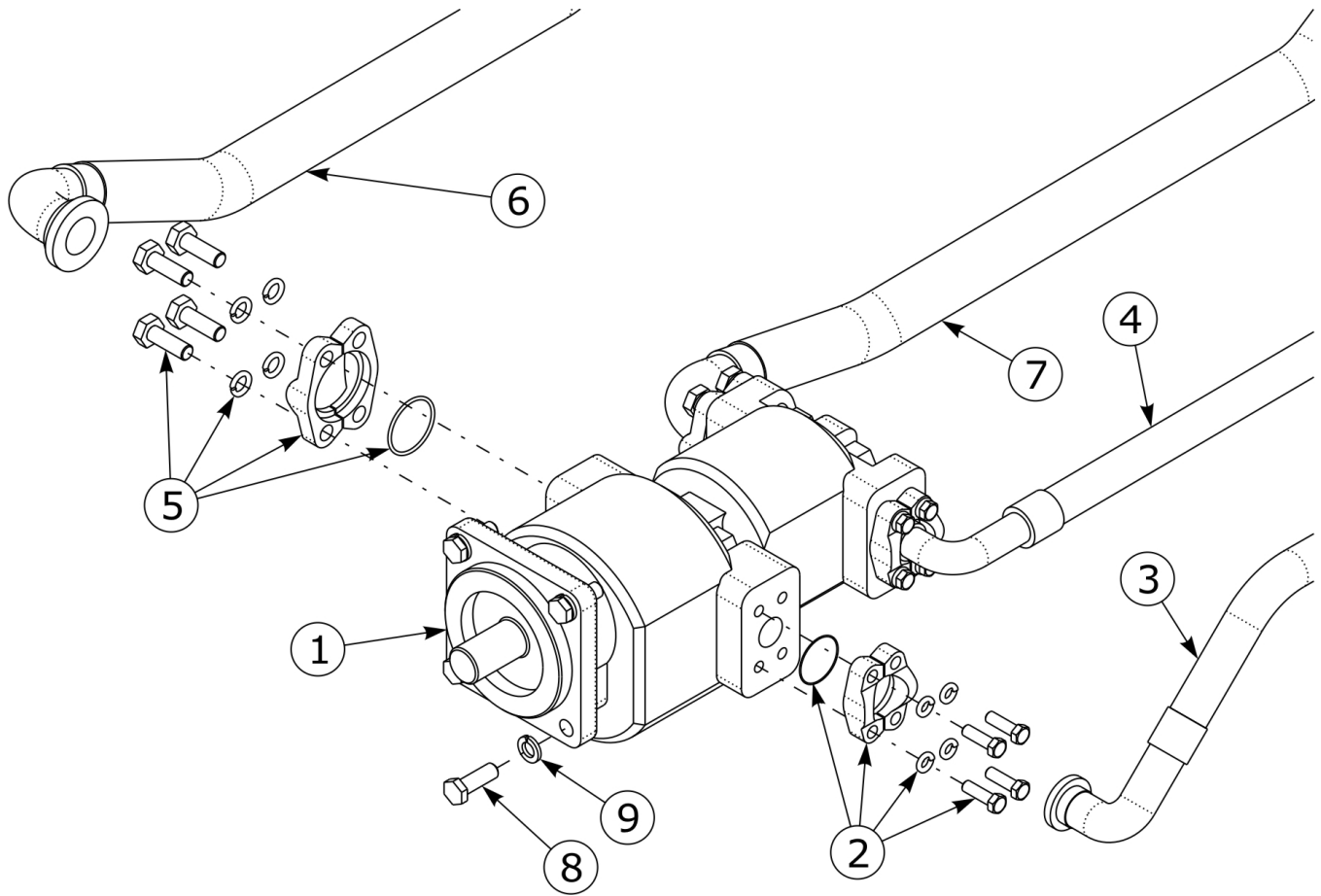
HYDRAULIC MOTOR AND SPINDLE ASSEMBLY - RIGHT WING

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02985254	1	ASY MOTOR & SPINDLE-RIGHT WING
1	02984764	1	SPINDLE ASSEMBLY
2	02978486	1	MOTOR, RH WING
3	02985842	1	WING MOTOR MANIFOLD ASSEMBLY
4	00750317	2	SPLIT FLANGE KIT, #16
5	02962181	1	ADP HYD STGHT 4MB-4MJ
6	02733700	4	BOLT, HEX HEAD 5/16"-NC X 4-1/2" PL GR5
7	00011700	4	LOCKWASHER, 5/16 PL STD
8	02892000	4	BOLT, HEX HEAD 1/2"-13 NC X 1-1/2" PL GR8
9	00001300	4	LOCKWASHER, 1/2 PL STD
10*	02979490	2	O-RING
11*	02979489	1	O-RING
12*	02979494	2	CARTRIDGE, SPOOL TYPE LOGIC,
	02980979	1	LOGIC VALVE SEAL
13*	02979492	1	RELIEF CARTRIDGE, 800 PSI
	02979191	1	RELIEF SEAL KIT
14*	02986000	1	CARTRIDGE RELIEF 3000PSI
	02979191	1	RELIEF SEAL KIT
15*	02979495	1	SOLENOID CARTRIDGE
	02979330	1	VALVE SEAL KIT
16	02985085	1	COIL 12VDC METRI-PACK

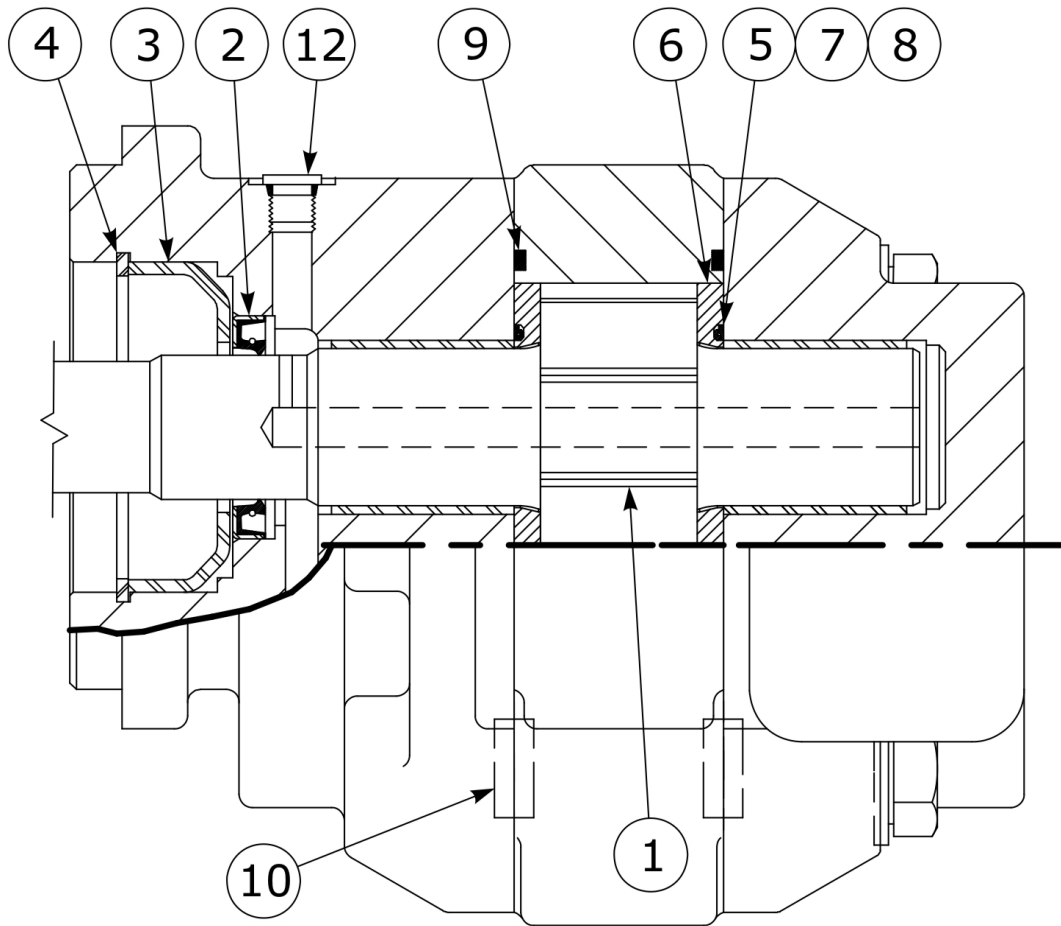
NOTE: ITEMS 10-15 ARE INCLUDED IN ITEM 3, (02985842 - WING MOTOR MANIFOLD ASSEMBLY).

HYDRAULIC PUMP AND HOSE ASSEMBLY - TANDEM



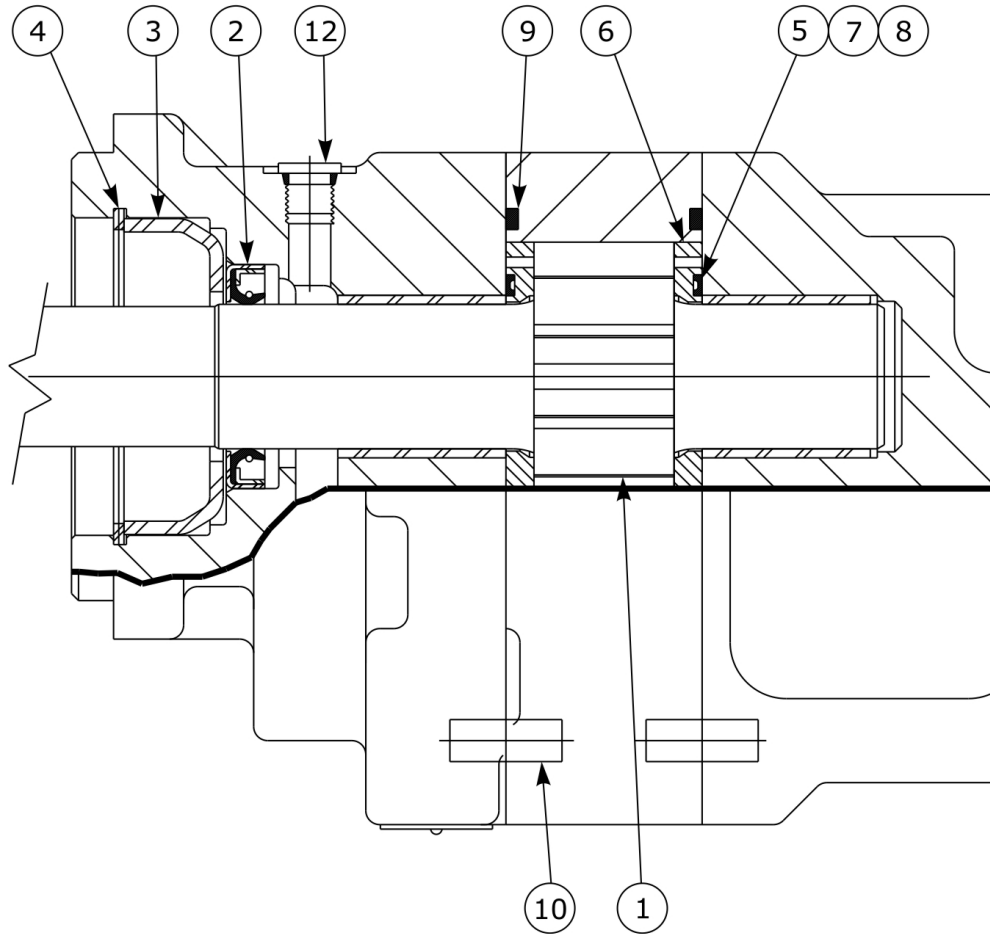
ITEM	PART NO.	QTY.	DESCRIPTION
1	02978484	1	HYD PUMP ASY (PUMP ONLY)
2	00750317	2	SPLIT FLG KIT, 1" W/FLNG 1/2'S,BOLTS,O-RING & WASHERS
	02778400	2	O-RING, REPLACEMENT (1.296" ID X .139 THK - AS-219)
3	02979876	1	HOSEASY, #16 - 16FJX - 16FL90 - 63" LG
4	02979407	1	HOSE ASY, #16 - 16FL90 -16FJX - 55" LG
5	00749101	2	SPLIT FLANGE KIT, 1-1/2" W/ FLNG 1/2'S, BOLTS, O-RING & WASHERS
	-----	2	O-RING, REPLACEMENT (1.859" ID X .139 THK - AS-225)
6	02979878	1	HOSE ASY, #24 - 24FL90 - 63" LG (SUCTION)
7	02979877	1	HOSE ASY, #24 - 24FL90 - 55" LG (SUCTION)
8	00748823	4	BOLT, HEX HEAD 1/2"-13UNC X 1-1/2" PL GR5 (PUMP TO SPEED INCREASER MOUNTING BOLTS)
9	00001300	4	LOCKWASHER, 1/2" PL STD (PUMP TO SPEED INCREASER MOUNTING WASHERS)

HYDRAULIC MOTOR REPLACEMENT PARTS - CENTER



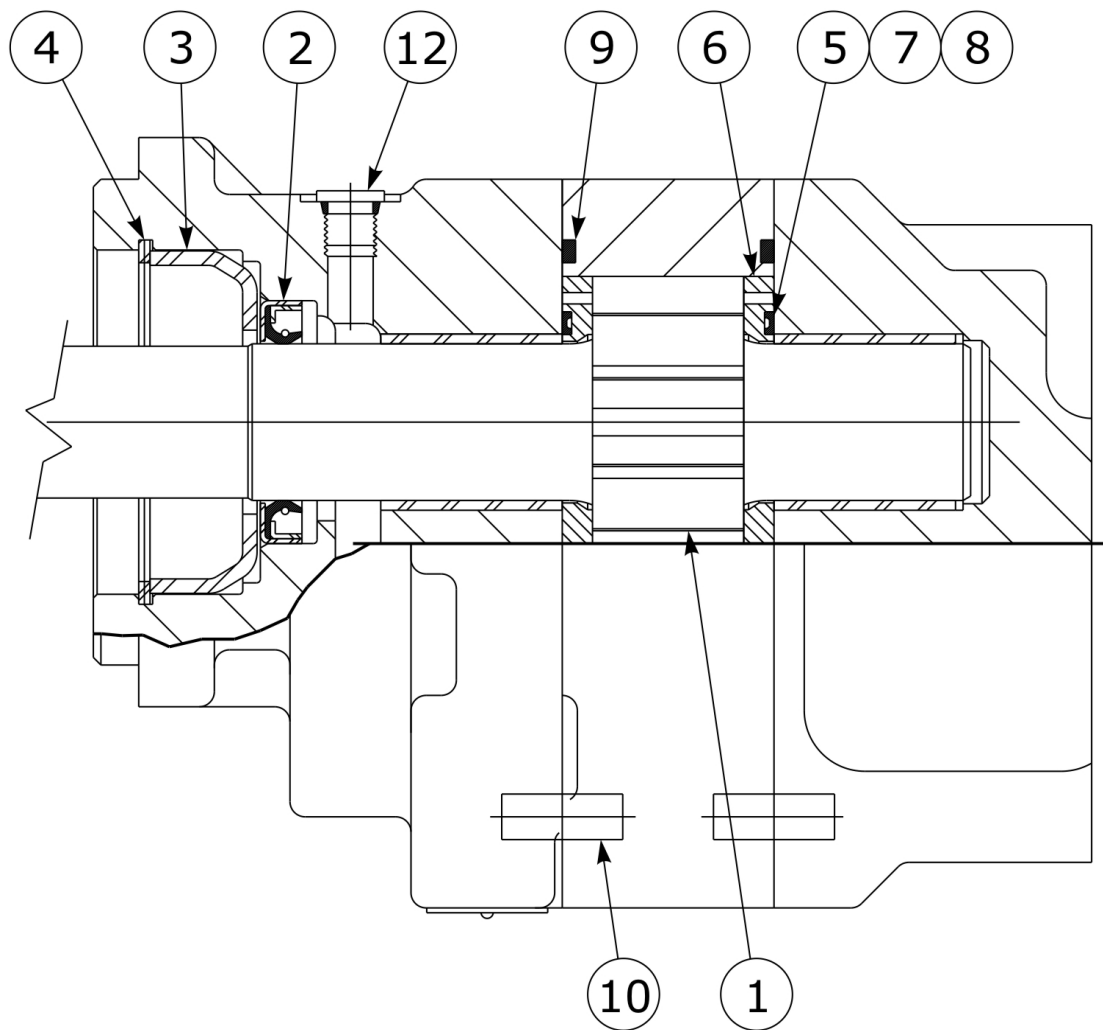
ITEM	PART NO.	QTY.	DESCRIPTION
	02978485	1	MOTOR, CTR MOTOR
1	02979968	1	SET, GEAR SHAFT, CTR MOTOR
2	02979958	1	LIP SEAL, CTR MOTOR
3	02979959	2	RETAINER SEAL, CTR MOTOR
4	02979960	2	SNAP RING, CTR MOTOR
5	02979961	2	SEAL BACKUP, CTR MOTOR
6	02979962	2	THRUST PLATE, CTR MOTOR
7	02979963	8	SEAL, END - CTR MOTOR
8	02979964	2	SEAL, SIDE - CTR MOTOR
9	02979965	2	SEAL, SQ-R - CTR MOTOR
10	02979966	4	DOWEL PIN, CTR MOTOR
11	02980331	1	SEAL KIT
12	02979967	4	PLUG, ODT - CTR MOTOR

HYDRAULIC MOTOR REPLACEMENT PARTS - LEFT WING



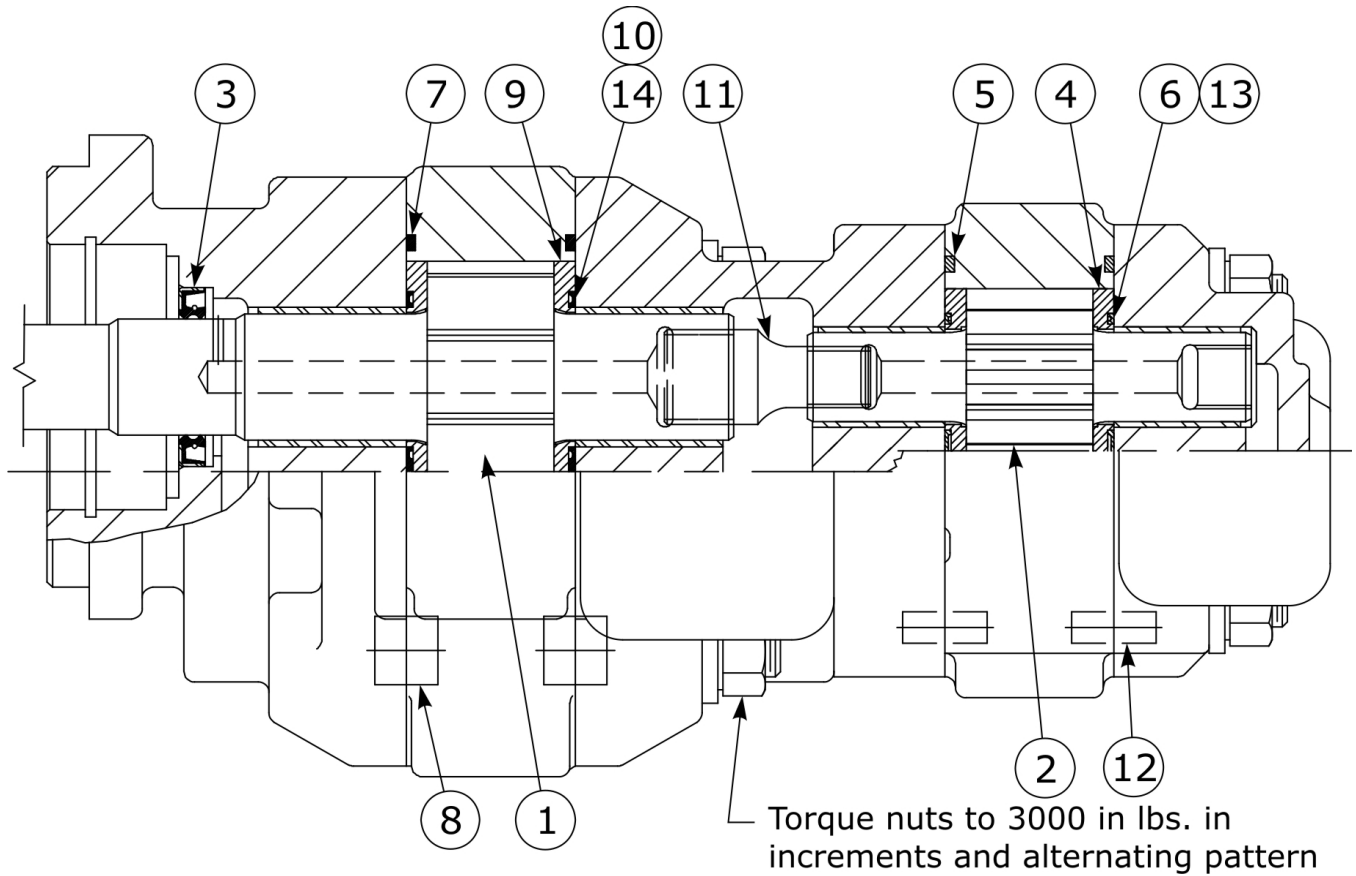
ITEM	PART NO.	QTY.	DESCRIPTION
	02978487	1	MOTOR, LH WING MOTOR
1	02979977	1	SET, GEAR SHAFT, LH WING MOTOR
2	02979969	1	LIP SEAL, LH WING MOTOR
3	02979970	2	RETAINER SEAL, LH WING MOTOR
4	02979971	2	SNAP RING, LH WING MOTOR
5	02979972	2	SEAL BACKUP, LH WING MOTOR
6	02979973	2	THRUST PLATE, LH WING MOTOR
7	02979974	8	SEAL, END - LH WING MOTOR
8	02979975	2	SEAL, SIDE - LH WING MOTOR
9	02979976	2	SEAL, SQ-R - LH WING MOTOR
10	02979953	4	DOWEL PIN, LH WING MOTOR
11	02980330	1	SEAL KIT
12	02979967	4	PLUG, ODT - LH WING MOTOR

HYDRAULIC MOTOR REPLACEMENT PARTS - RIGHT WING



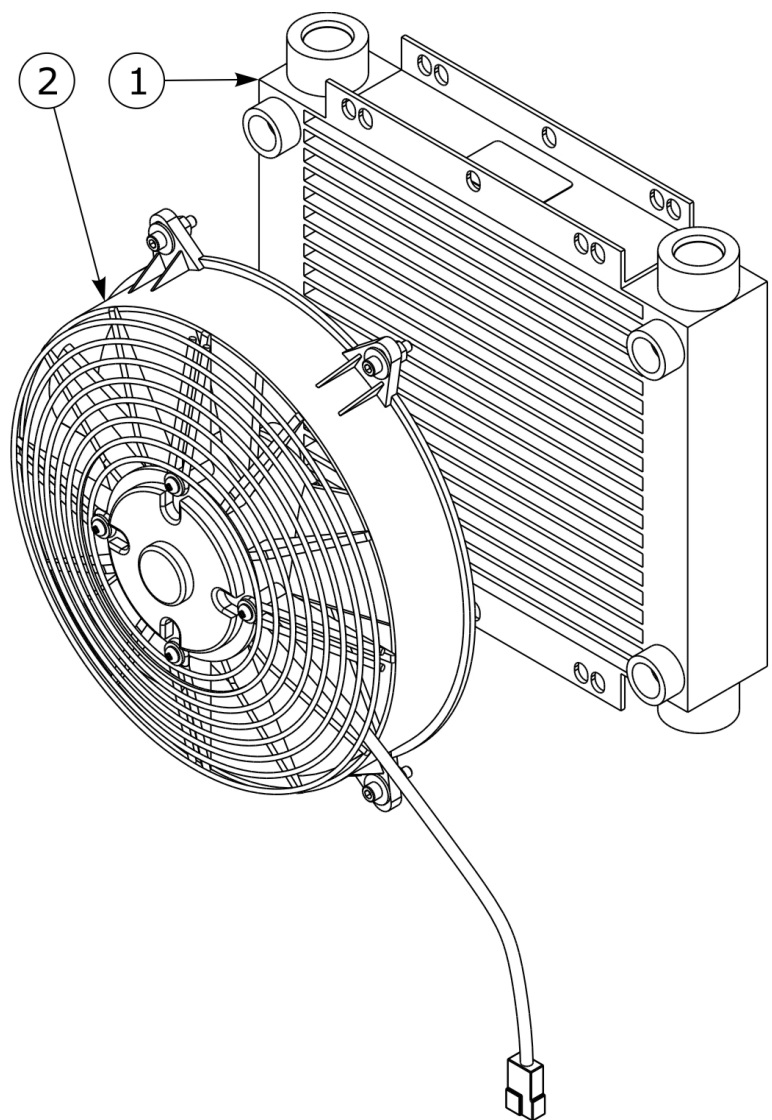
ITEM	PART NO.	QTY.	DESCRIPTION
	02978486	1	MOTOR, RH WING MOTOR
1	02979977	1	SET, GEAR SHAFT, RH WING MOTOR
2	02979969	1	LIP SEAL, RH WING MOTOR
3	02979970	2	RETAINER SEAL, RH WING MOTOR
4	02979971	2	SNAP RING, RH WING MOTOR
5	02979972	2	SEAL BACKUP, RH WING MOTOR
6	02979973	2	THRUST PLATE, RH WING MOTOR
7	02979974	8	SEAL, END - RH WING MOTOR
8	02979975	2	SEAL, SIDE - RH WING MOTOR
9	02979976	2	SEAL, SQ-R - RH WING MOTOR
10	02979953	4	DOWEL PIN, RH WING MOTOR
11	02980330	1	SEAL KIT
12	02979967	4	PLUG, ODT - RH WING MOTOR

HYDRAULIC PUMP REPLACEMENT PARTS - TANDEM



ITEM	PART NO.	QTY.	DESCRIPTION
	02978484	1	HYD PUMP ASY, TANDEM PUMP
1	02979956	1	GEAR SET, (LARGE GEAR SET)
2	02979957	1	GEAR SET, (SMALL GEAR SET)
3	02979944	1	LIP SEAL, INPUT SHAFT
4	02979945	2	THRUST PLATE, (F/ SMALL GEARS)
5	02979946	2	SEAL, SQ-R, (F/ SMALL GEARS)
6	02979947	2	SEAL CHANNEL, (F/ SMALL GEARS)
7	02979948	2	SEAL O-RING, (F/ LARGE GEARS)
8	02979949	8	DOWEL PIN, (F/ LARGE GEARS)
9	02979950	2	THRUST PLATE, (F/ LARGE GEARS)
10	02979951	2	SEAL CHANNEL, (F/ LARGE GEARS)
11	02979952	1	SHAFT CONNECTOR
12	02979953	4	DOWEL PIN, (F/ SMALL GEARS)
13	02979954	2	SEAL, BACKUP (F/ SMALL GEARS)
14	02979955	2	SEAL, BACKUP (F/ LARGE GEARS)
15	02980332	1	SEAL KIT, (THRUST PLATES NOT INCLUDED)

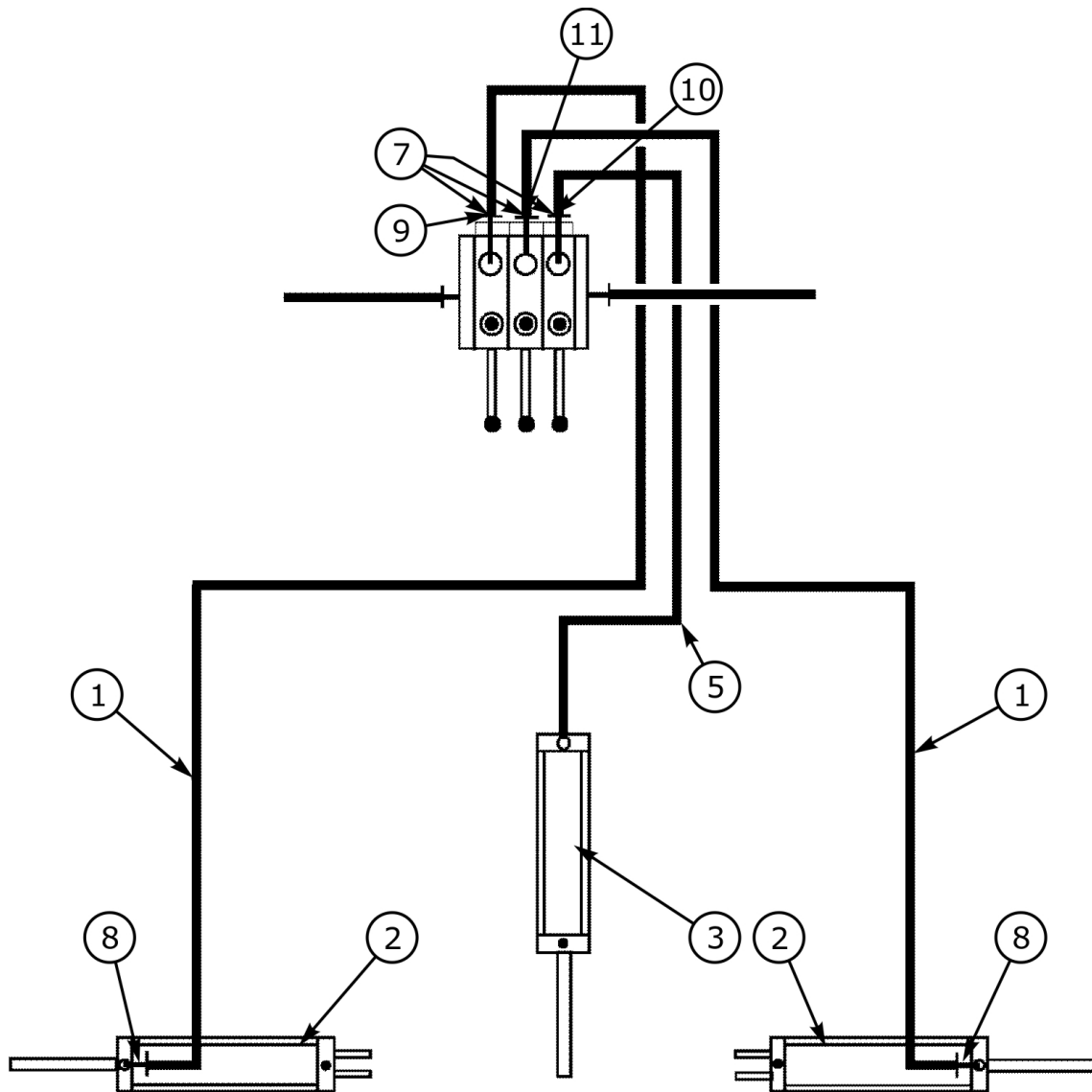
HYDRAULIC OIL COOLER AND FAN ASSEMBLY



Two Wires in plug
1 - Red Wire + Connection
1 - Black Wire - Connection

ITEM	PART NO.	QTY.	DESCRIPTION
	02981377	1	HYD OIL COOLER & ELECTRIC FAN ASY
1	02981886	1	HEAT EXCHANGE CORE
2	02981887	1	HEAT EXCHANGE FAN

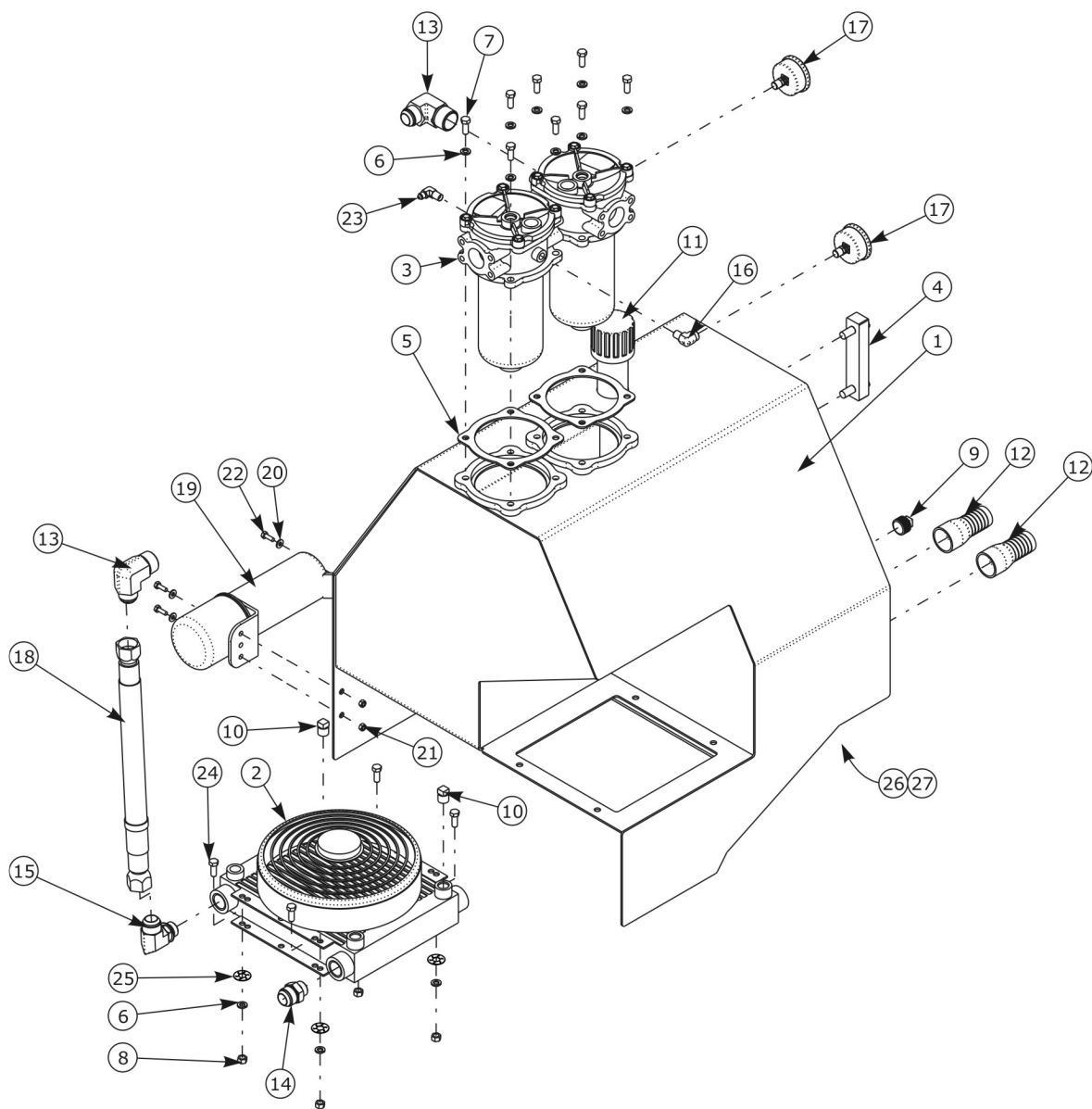
HYDRAULIC SCHEMATIC



ITEM	PART NO.	QTY.	DESCRIPTION
1	00773043	2	HYDRAULIC HOSE
2	00759947A	2	HYDRAULIC CYLINDER
3	00759946A	1	HYDRAULIC CYLINDER
5	00774832	1	HYDRAULIC HOSE
7	94507	2	ADAPTER
8	00774574	2	ELBOW (W/ RESTRICTOR)
9	02968836	1	YELLOW TIE (LEFT WING HOSE)
10	02968830	1	BLUE TIE (CENTER AXLE HOSE)
11	02968832	1	GREEN TIE (RIGHT WING HOSE)

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HYDRAULIC TANK ASSEMBLY

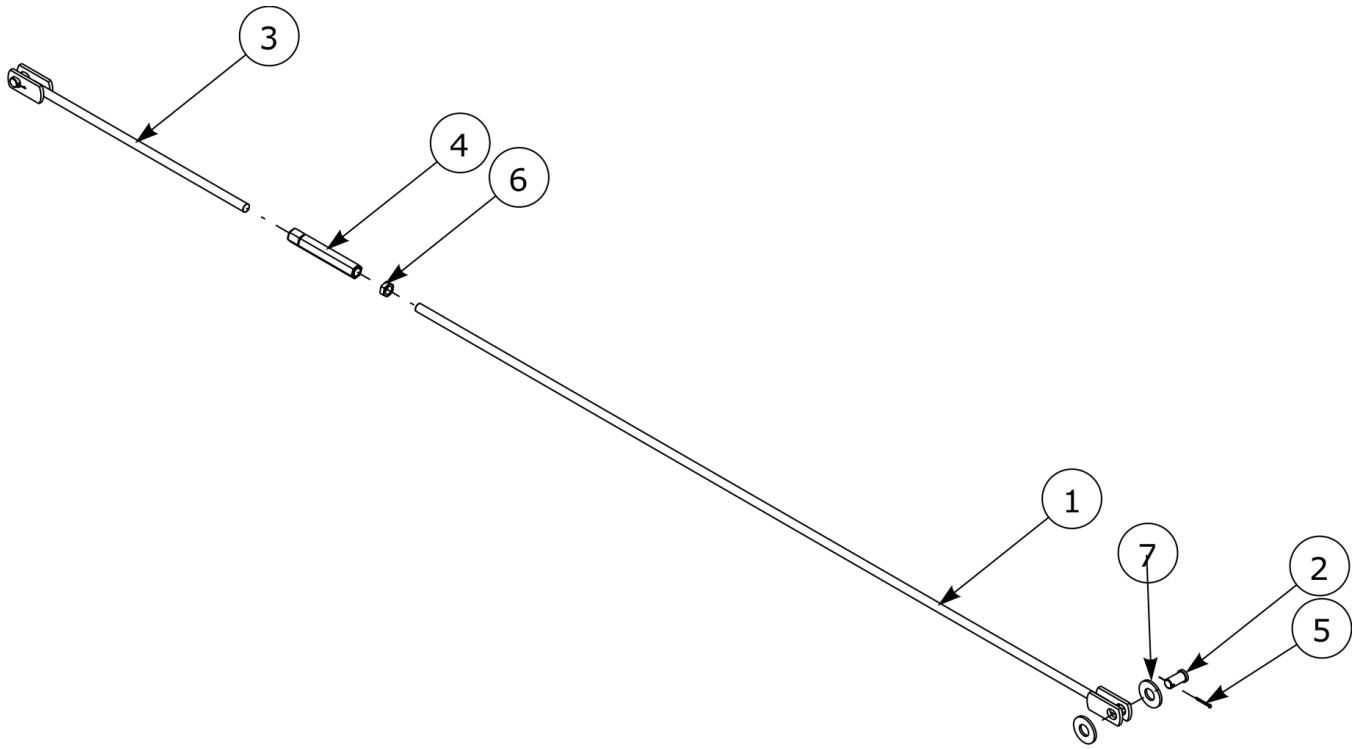


HYDRAULIC TANK ASSEMBLY

Continued...

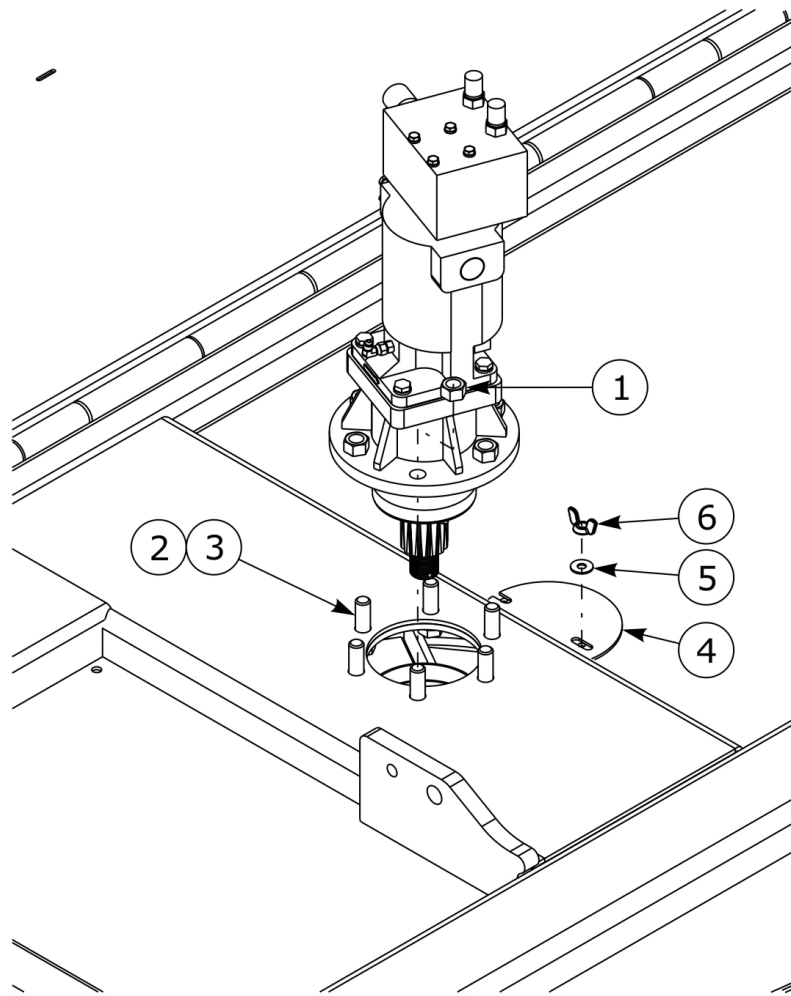
ITEM	PART NO.	QTY.	DESCRIPTION
1	02985042	1	WELDMENT HYDRAULIC TANK
2	02981377	1	COOLER, HYDRAULIC, W/FAN
3	02964748	2	FILTER ASSEMBLY, MODIFIED
4	02968880	1	GAUGE, TEMP LEVEL INDICATOR
5	02963662	2	GASKET, FILTER ASY, FIBER
6	00012101	12	LOCKWASHER, 3/8" PL
7	00011400	8	BOLT, HHCS 3/8 NC 1 PL5
8	00013901	4	NUT, HEX 3/8 NC PL
9	02963659	1	PLUG, MAGNETIC 1" NPT
10	00749508	2	PLUG 1/2" NPT
11	02980215	1	BREATHER, CAP W/RING
12	02411000	2	FITG HOSE BIB #24 HOSE - #24MP
13	02985441	2	ADP HYD ELBOW 20MP-16MJ90
14	02958782	1	ADP HYD STGHT 16MJ-12MB
15	02949100	1	ADP HYD ELBOW 16MJ-12MB90
16	0075000	1	ADP HYD ELBOW 4MP-4FP90
17	02962963	2	DIAL INDICATOR - IN TANK FILTER
18	02985424	1	HOSE, HYD 16FJX - 16FJX90 68 LG.
19	00776031	1	CANISTER, MANUAL
20	00024100	3	FLATWASHER STD 1/4 PL
21	02959924	3	NUT, TOPLOCK 1/4 NC PLB
22	00021400	3	BOLT, HHCS 1/4" NC X 3/4" PL
23	02045200	1	ADP HYD ELBOW 4MP-4MJ90
24	00600500	4	SHCS 3/8 NC 1 PL5
25	02961255	4	PUSHNUT, BOLT RETAINER, 3/8
26	02675800	4	HHCS 5/8-11 X 1-1/2 PL5
27	00695100	4	LOCKNUT TOPLOCK 5/8NC PLB

LEVEL ROD ASSEMBLY



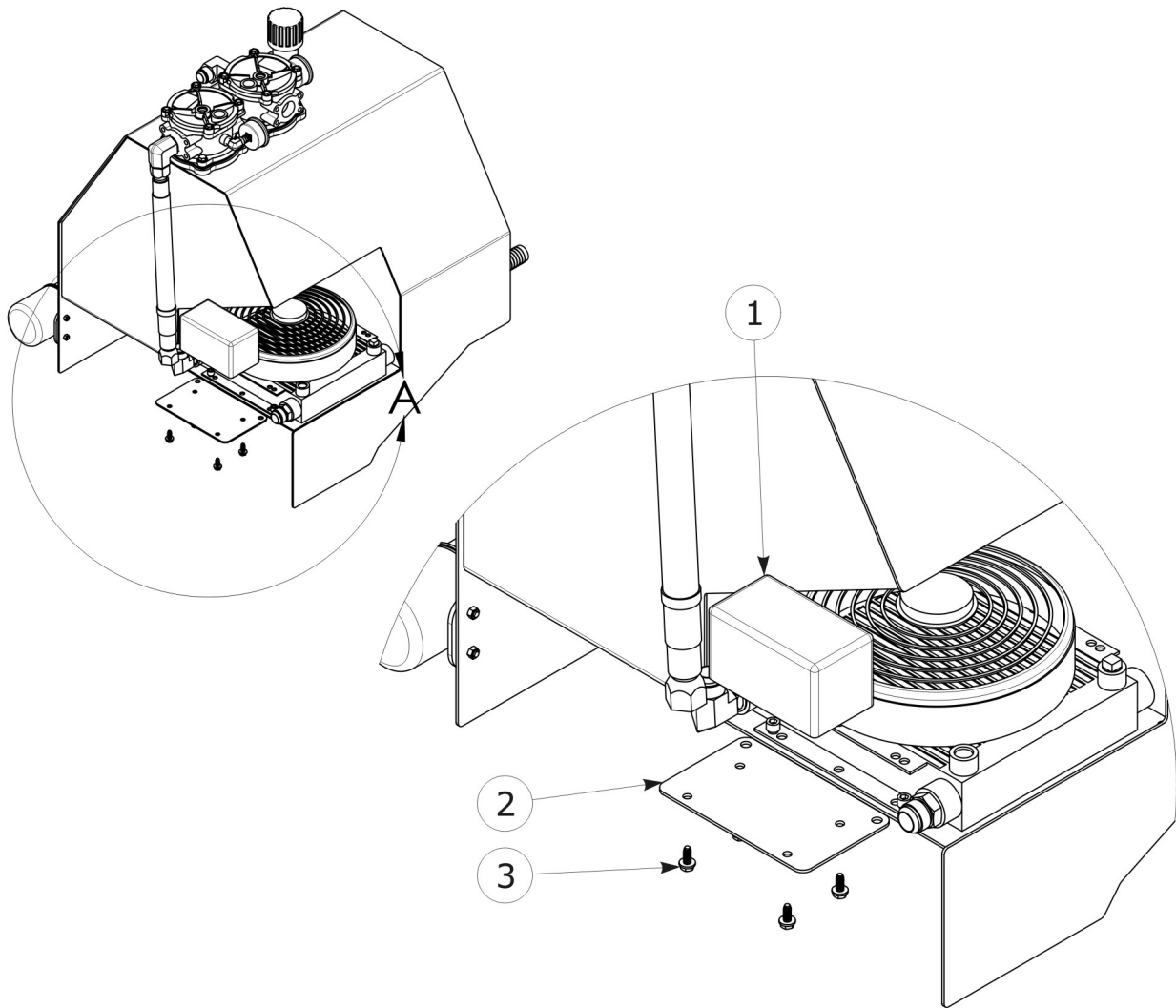
ITEM	PART NO.	QTY.	DESCRIPTION
	00778165W	1	ASSY, LEVEL ROD COMPLETE
1	00778164	1	WELDMENT, LONG LEVEL ROD
2	651102	2	PIN-DRILLED
3	00778163	1	WELDMENT, SHORT LEVEL ROD
4	00778159	1	NUT, 9"
5	00755153	2	PIN-COTTER 3/16 X 1-1/2 PLATED
6	00778160	1	HEXNUT 7/8 JAM LH ZP
7	15B1200	4	WASHER 3/4 P SAE

MOTOR ATTACHMENT



ITEM	PART NO.	QTY.	DESCRIPTION
1	00037200	6	LOCKNUT 3/4NC PLC
2	5312316	6	WASHER
3	02963646	6	HHCS 3/4NC 2-1/2 PL8
4	5710121	1	COVER PLATE, BLADE ACCESS HOLE
5	00023500	2	FLATWASHER, 5/16 TYPE AW ZP
6	5F5180	2	NUT 5/16 NC WING

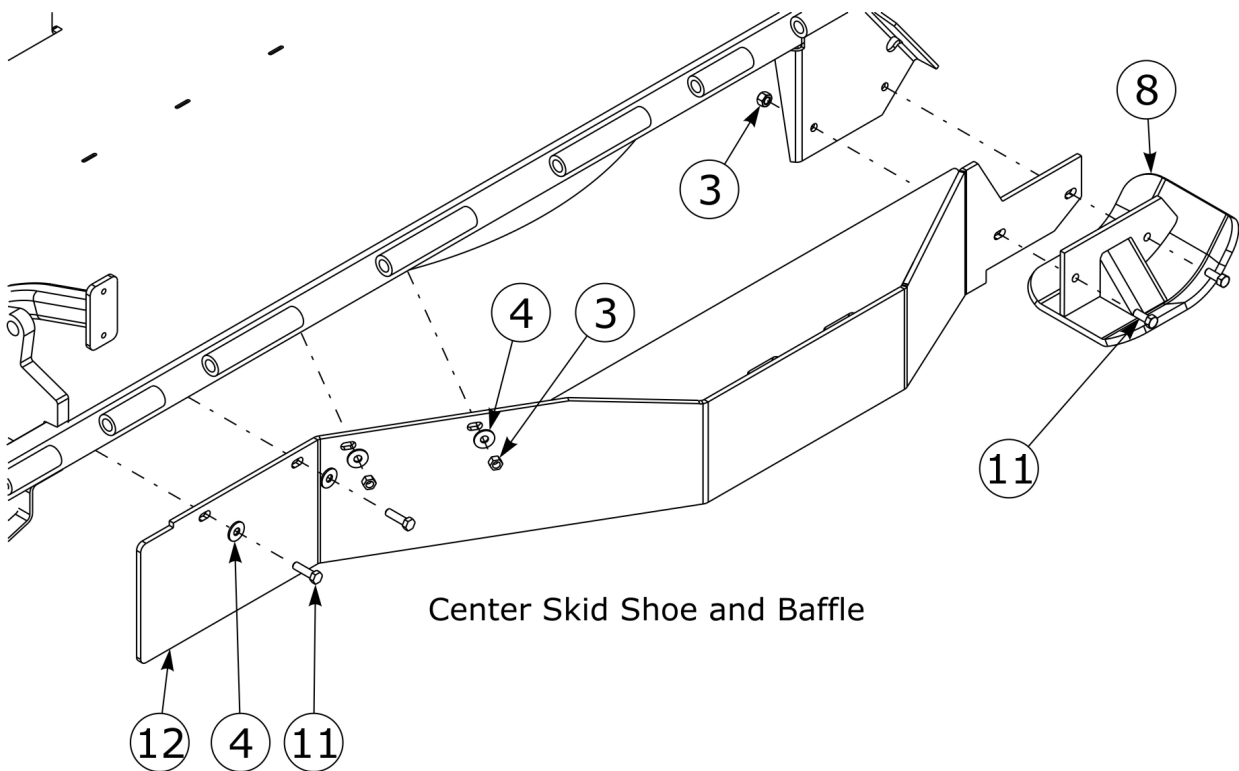
REVERSER FAN KIT (NEW MEXICO)



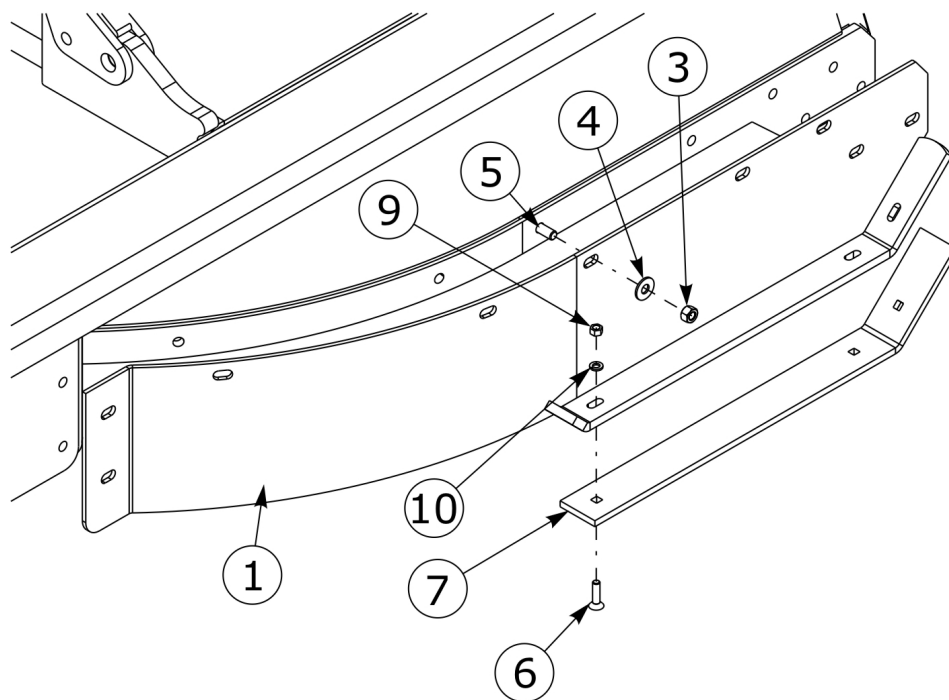
ITEM	PART NO.	QTY.	DESCRIPTION
1	02986772	1	REVERSER TIMED FAN CONTROL
2	02987287	1	FAN REVERSER MOUNT
3	00752735	4	SELF TAP 5/16 NC 3/4 PL

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SIDE SKIRTS AND SKID SHOES



Wing Skid Shoe

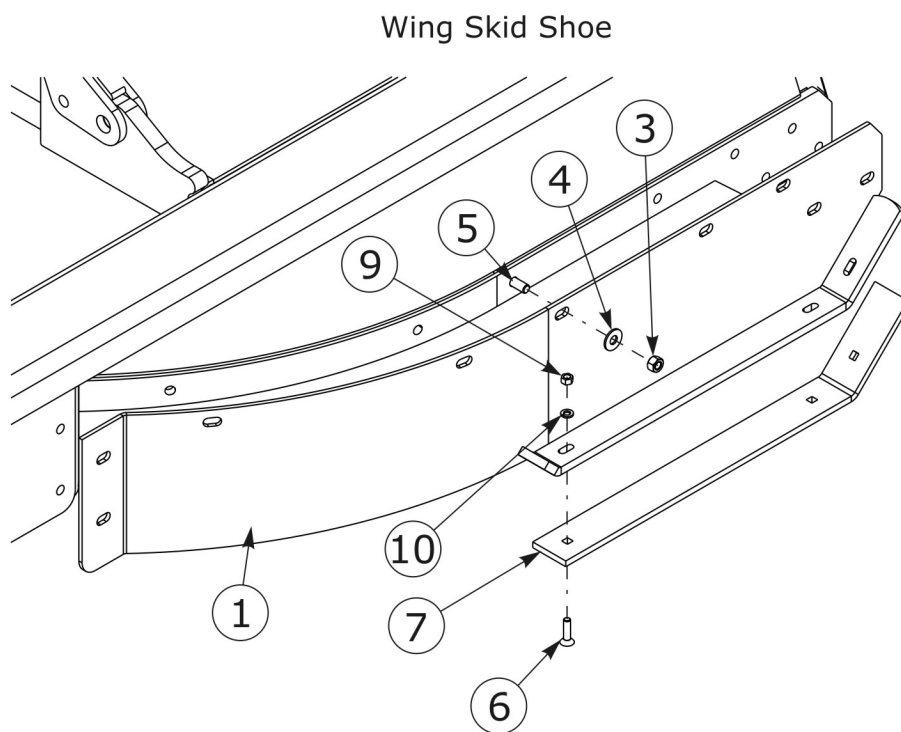
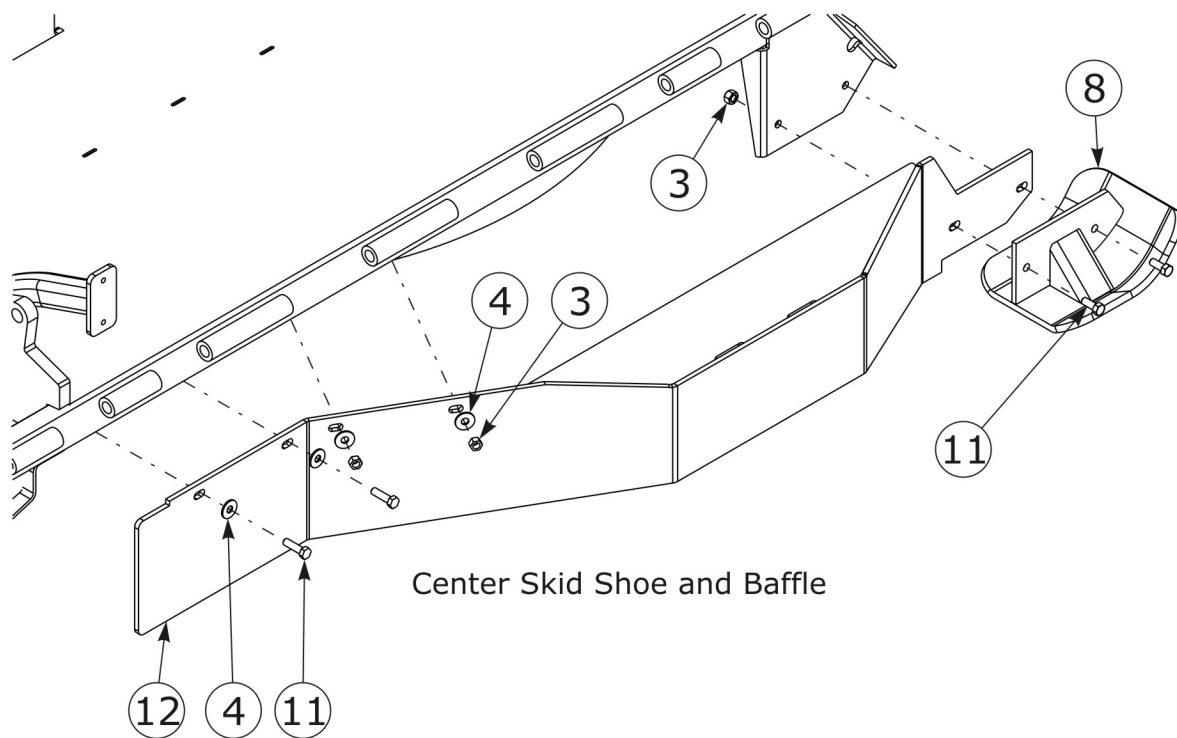


SIDE SKIRTS AND SKID SHOES

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00777736	1	WLDMT, RH SIDE SKIRT
2	00777737	1	WLDMT, SIDE SKIRT LH (NOT SHOWN)
3	00001800	15	LOCKNUT TLM 1/2 NC PLB
4	00002700	17	FLATWASHER 1/2 PL STD
5	00748823	9	HHCS 1/2-13UNC 1-1/2 PL5
6	2A361612	3	PLW-BLT 3/8 X 1 1/2
7	00776618	2	BAR WING SKID SHOE
8	00763996	1	WLDMT-SKID-RH
	00764020	1	WLDMT-SKID-LH (NOT SHOWN)
9	4528	3	FLANGE NUT 3/8 NC
10	00011100	3	FLATWASHER 3/8
11	02891800	6	HHCS 1/2 NC 1-3/4 PL8
12	02984960	1	WLDMT BAFFLE RH
	02984963	1	WLDMT BAFFLE LH (NOT SHOWN)

SIDE SKIRTS AND SKID SHOES (NEW MEXICO)

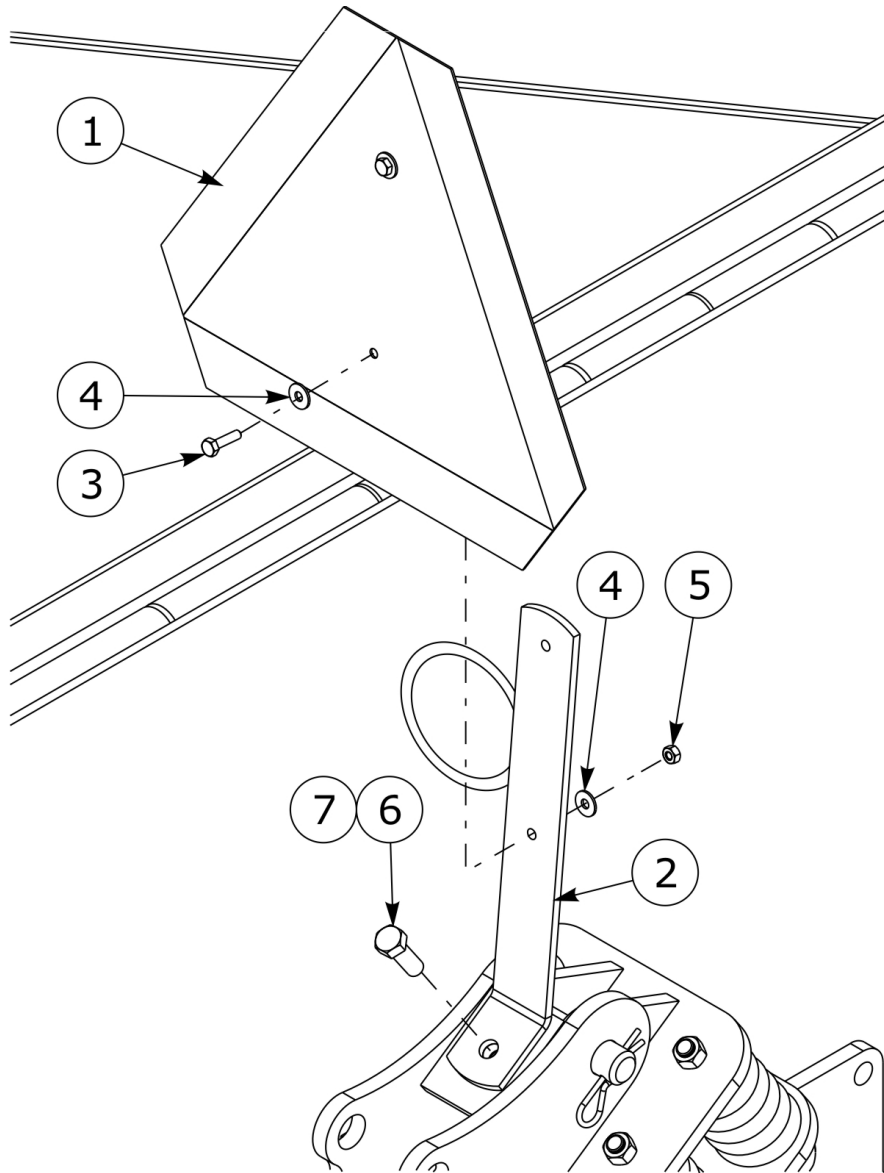


SIDE SKIRTS AND SKID SHOES (NEW MEXICO)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02985960	1	WLDMT, RH DEEP SIDE SKIRT
2	02985962	1	WLDMT, LH DEEP SIDE SKIRT (NOT SHOWN)
3	00001800	15	LOCKNUT TLM 1/2 NC PLB
4	00002700	17	FLATWASHER 1/2 PL STD
5	00748823	9	HHCS 1/2-13UNC 1-1/2 PL5
6	2A361612	3	PLW-BLT 3/8 X 1 1/2
7	00776618	2	BAR WING SKID SHOE
8	00763996	1	WLDMT-SKID-RH
	00764020	1	WLDMT-SKID-LH (NOT SHOWN)
9	4528	3	FLANGE NUT 3/8 NC
10	00011100	3	FLATWASHER 3/8
11	02891800	6	HHCS 1/2 NC 1-3/4 PL8
12	02984960	1	WLDMT BAFFLE RH
	02984963	1	WLDMT BAFFLE LH (NOT SHOWN)

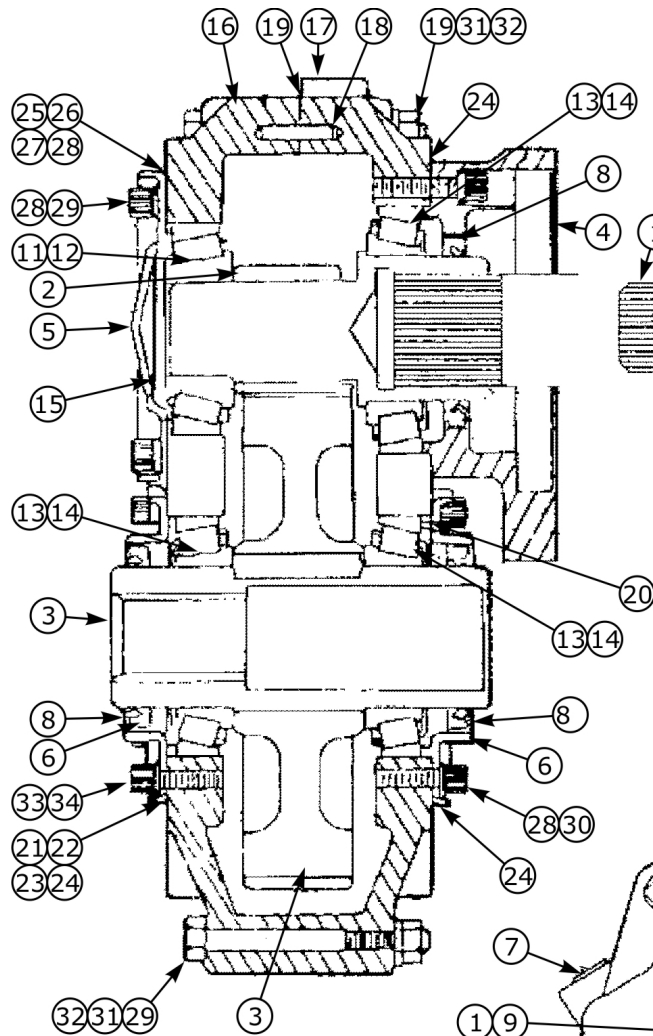
SMV SIGN MOUNTING



ITEM	PART NO.	QTY.	DESCRIPTION
1	03200347	1	EMBLEM, SMV
2	00785558	1	SMV BRACKET
3	10058000	2	HHCS 1/4 NC 1 PL5
4	00024100	4	FLATWASHER STD 1/4 PL
5	02959924	2	NUT TOPLOCK 1/4 NC PLB
6	00748823	1	HHCS 1/2-13UNC 1-1/2 PL5
7	00001800	1	LOCKNUT TLM 1/2 NC PLB

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SPEED INCREASER ASSEMBLY



Note:

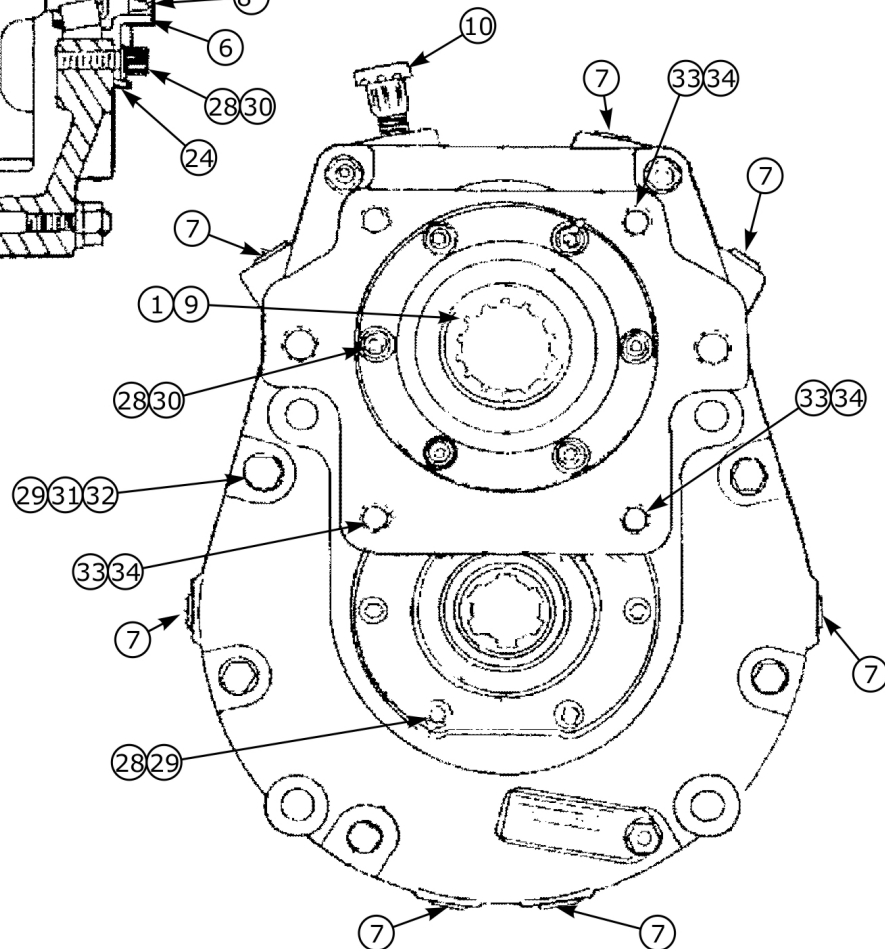
1. Shim (Item 24 thru 31) as shown to provide .007" to .011" end play in all shafts.

2. lubricate seal lips prior to installing, coat all steel cupped seal OD with locktite 601.

3. Bolt threads must be clean and in good condition. Coat threads with locktite is recommended.

4. Torque 3/8" bolts (item 34) to 21 to 25 ft lbs.

5. Torque 5/16" bolts (item 32) to 12 to 15 ft lbs.

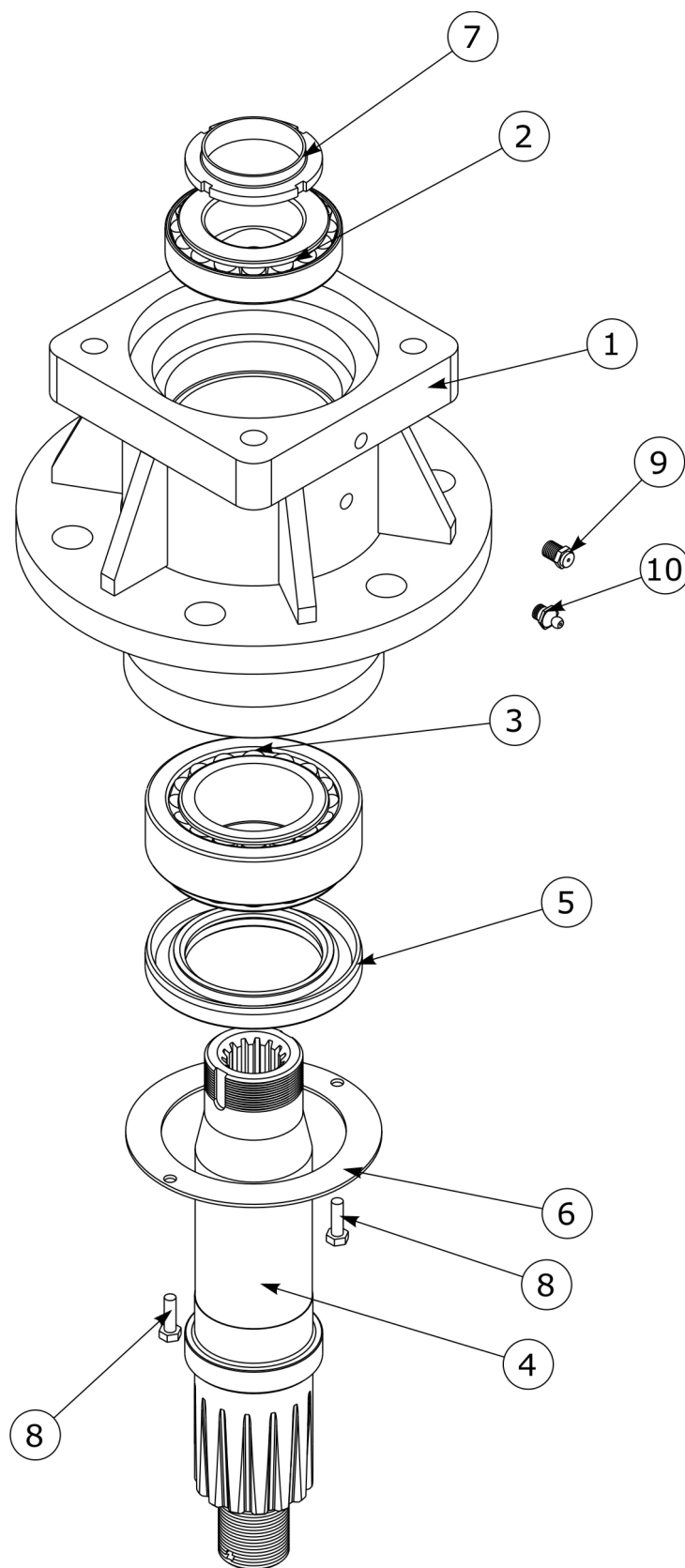


SPEED INCREASER ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	00751488	1	SPEED INCREASER ASY, SPEED UP (540 RPM PTO)
1	00751536	1	SPLINE ADAPTER
2	00751531	1	GEAR, HIGH SPEED (18 TOOTH)
3	00752179	1	GEAR & SHAFT, LOW SPEED (72 TOOTH)
4	00751948	1	PUMP FLANGE, C-2 C-4
5	00751949	1	COVER, CLOSED
6	00751950	2	COVER, OPEN
7	00751970	8	PIPE PLUG, 3/8" - SOCKET HEAD
	00752772	1	MAGNETIC PLUG, 3/8" NPT (INSTALL AS BOTTOM PLUG)
8	00751535	3	SEAL
9	00751954	1	RETAINING SNAP RING
10	00751942	1	BREATHER
11	00757533	1	BEARING CUP
12	00751533	1	BEARING CONE
13	00749201	3	BEARING CUP
14	00749200	3	BEARING CONE
15	00751953	1	SPACER RING
16	00751955	1	HOUSING
17	00751956	1	HOUSING, PUMP SIDE
18	00751957	2	DOWEL, 1/4" X 1"
19	00751958	1	GASKET (.015)
20	00751971	2	SPACER RING
21	00751959	1	SHIM (.005 ALUM)
22	00751960	1	SHIM (.007 ALUM)
23	00751961	1	SHIM (.020 ALUM)
24	00751962	1	SHIM (.005 FIBER) USE P/N 00751959
25	00751963	1	SHIM (.005 ALUM)
26	00751965	1	SHIM (.007 ALUM)
27	00751966	1	SHIM (.020 ALUM)
28	00751967	24	BOLT, SOCKET HEAD 5/16"-NC X 1" PL GR5
29	00751969	8	BOLT, HEX HEAD 3/8"-NC X 3-1/4" PL GR5
30	00751968	24	LOCKWASHER, 5/16" HI COLLAR
31	00013901	8	NUT, HEX 3/8"-NC PL
32	00012101	8	LOCKWASHER, 3/8" PL HVY
33	00748823	4	BOLT, HEX HEAD 1/2"-13UNC X 1-1/2" PL GR5 (PUMP MOUNTING BOLTS)
34	00001300	4	LOCKWASHER, 1/2" PL STD (PUMP MOUNTING LOCKWASHERS)

SPINDLE ASSEMBLY

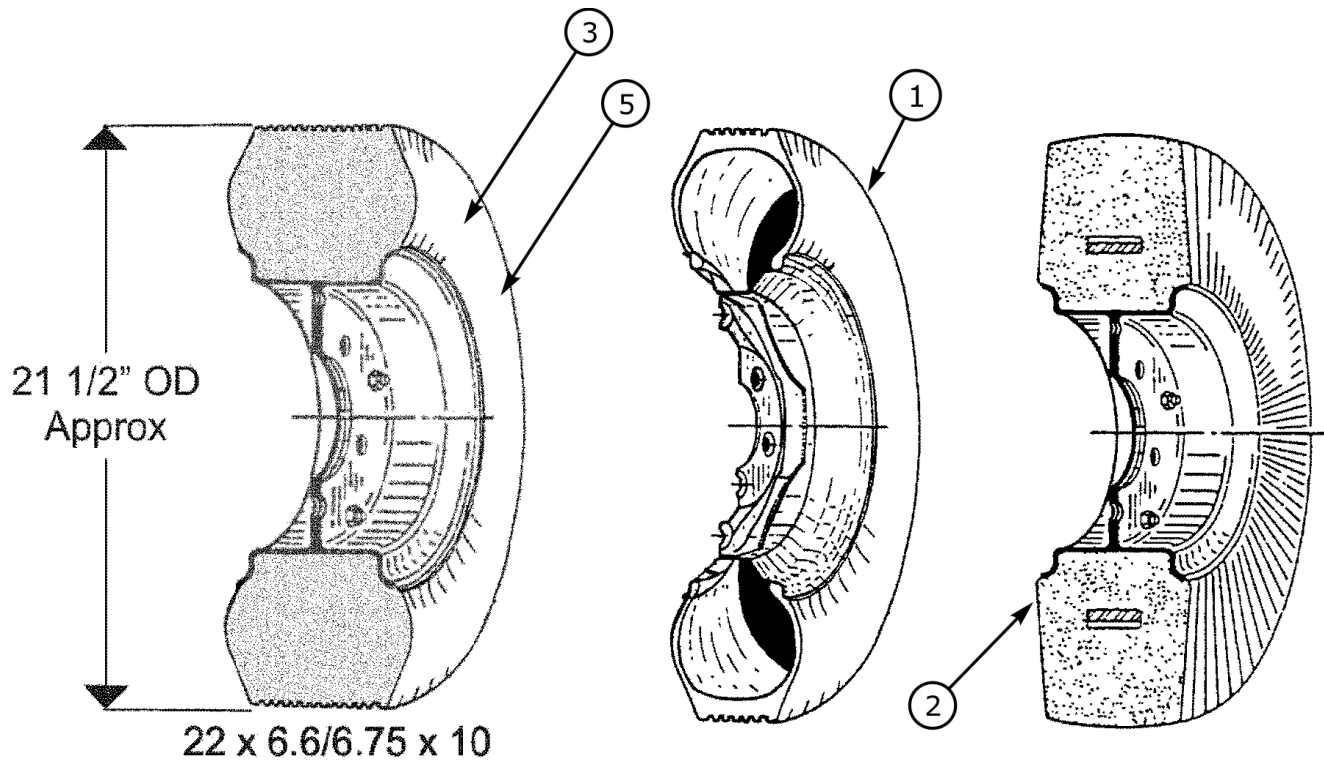


SPINDLE ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02984764	1	ASY SPINDLE HOUSING
1	02984765	1	MACH SPINDLE HOUSING
2	00769938	1	BEARING (TOP)
3	00778226	1	BEARING 60 X 110 X 38 #33212
4	02984771	1	MACH SPINDLE SHAFT
5	00777873	1	SEAL 70 X 110 X 12.7 #27791
6	00778621	1	OUTPUT SEAL PLATE
7	02962030	1	LOCKNUT, SPINDLE BEARING
8	02969728	2	HHCS M6 - 1.0 X 20MM
9	02959018	1	GREASE RELIEF FITTING
10	00003500	1	GREASE FITTING 1/8" STRAIGHT

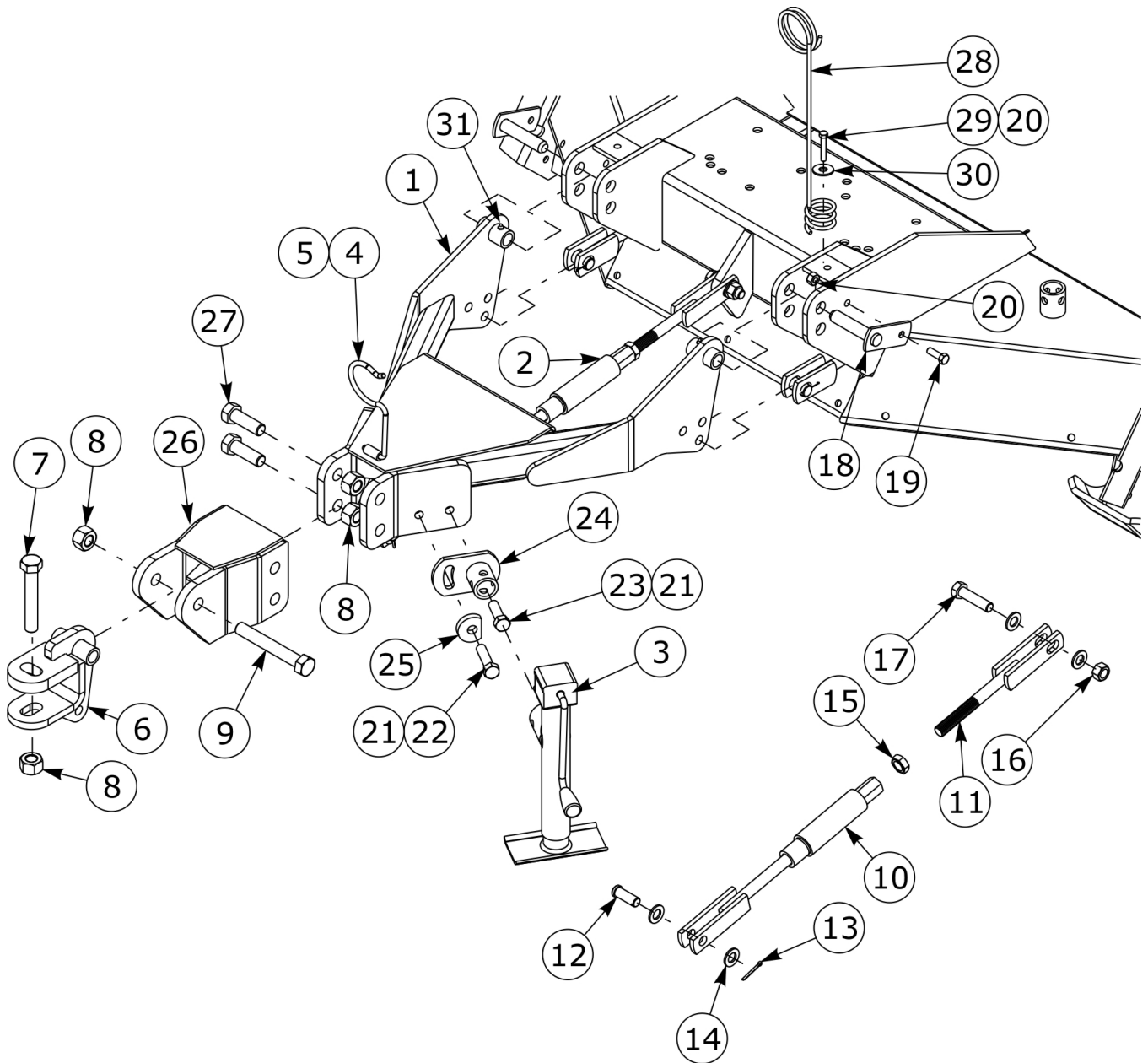
TIRE AND WHEEL OPTION



ITEM	PART NO.	QTY.	DESCRIPTION
1	00008700	1	WHEEL, 15 X 5.00 DC (RIM ONLY)
2	00025200	1	LAMINATED PUNCTURE-PROOF TIRE & WHEEL (21" OD) 6.00 X 9
3	00771461	1	USED AIRPLANE TIRE AND WHEEL
4	00749698	1	IMPLEMENT TIRE AND WHEEL
5	00766911	1	FOAM FILLED USED AIRPLANE TIRE AND WHEEL

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TONGUE ASSEMBLY - LONG



ITEM	PART NO.	QTY.	DESCRIPTION
1	00779334	1	WLDMT, SHORT TONGUE
2	00768496	1	ASSY-LONG CONTROL ROD
3	00779350	1	JACK, PARKING 3000LB SIDEWIND
4	1431565	1	IID SHAFT TRANSPORT SUPPORT
5	40010000	1	PIN COTTER 1/8 X1
6	00764540A	1	WELDMENT CLEVIS
7	00755305	1	BOLT 1-8UNC-6 LG GRD 8
8	02030300	6	NUT TOPLOCK 1 NC PLB
9	00755224	1	BOLT 1 NC 7 GR8

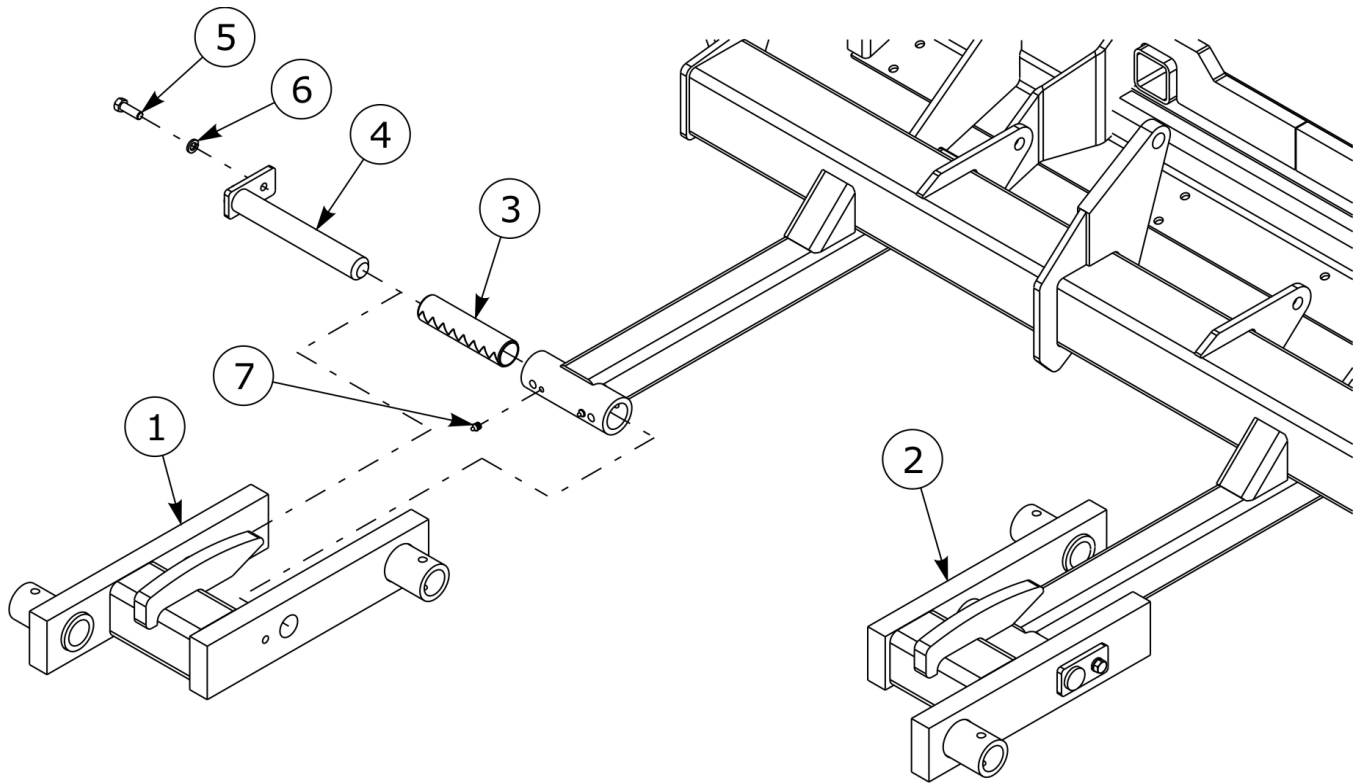
TONGUE ASSEMBLY - LONG

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
10	00764536	1	WLDMT LONG CONTROL ROD
11	00764537	1	WLDMT CONTROL ROD THREADED
12	651102	1	PIN-DRILLED
13	00755153	1	PIN-COTTER 3/16 X 1-1/2 PLATED
14	15B1200	4	WASHER 3/4 P SAE
15	5C1490	1	HEXNUT 7/8 JAM ZP
16	00037200	1	NUT TOPLOCK 3/4 NC PLC
17	03200269	1	HHCS 3/4 NC 3 PL8
18	00760895	2	WLDMT-TONGUE PIVOT PIN
19	00748823	2	HHCS 1/2-13UNC 1-1/2 PL5
20	00001800	2	LOCKNUT TLM 1/2 NC PLB
21	00037200	2	NUT TOPLOCK 3/4 NC PLC
22	03200269	1	HHCS 3/4 NC 3 PL8
23	02963646	1	HHCS 3/4 NC 2-1/2 PL8
24	00779360	1	WDMT, JACK BRACKET
25	00779361	1	WASHER, JACK
26	00774712A	1	WLDMT, TONGUE EXTENSION
27	7A16824	4	HHCS 1 NC 3 PL5
28	02965484	1	HOSE BRKT, SPRING BASE
29	00749130	1	HHCS 1/2-13UNC 1-3/4 PL5
30	00002700	1	FLATWASHER 1/2 PL STD
31	000941	2	GREASE FITTING 1/4-28 90 DEG

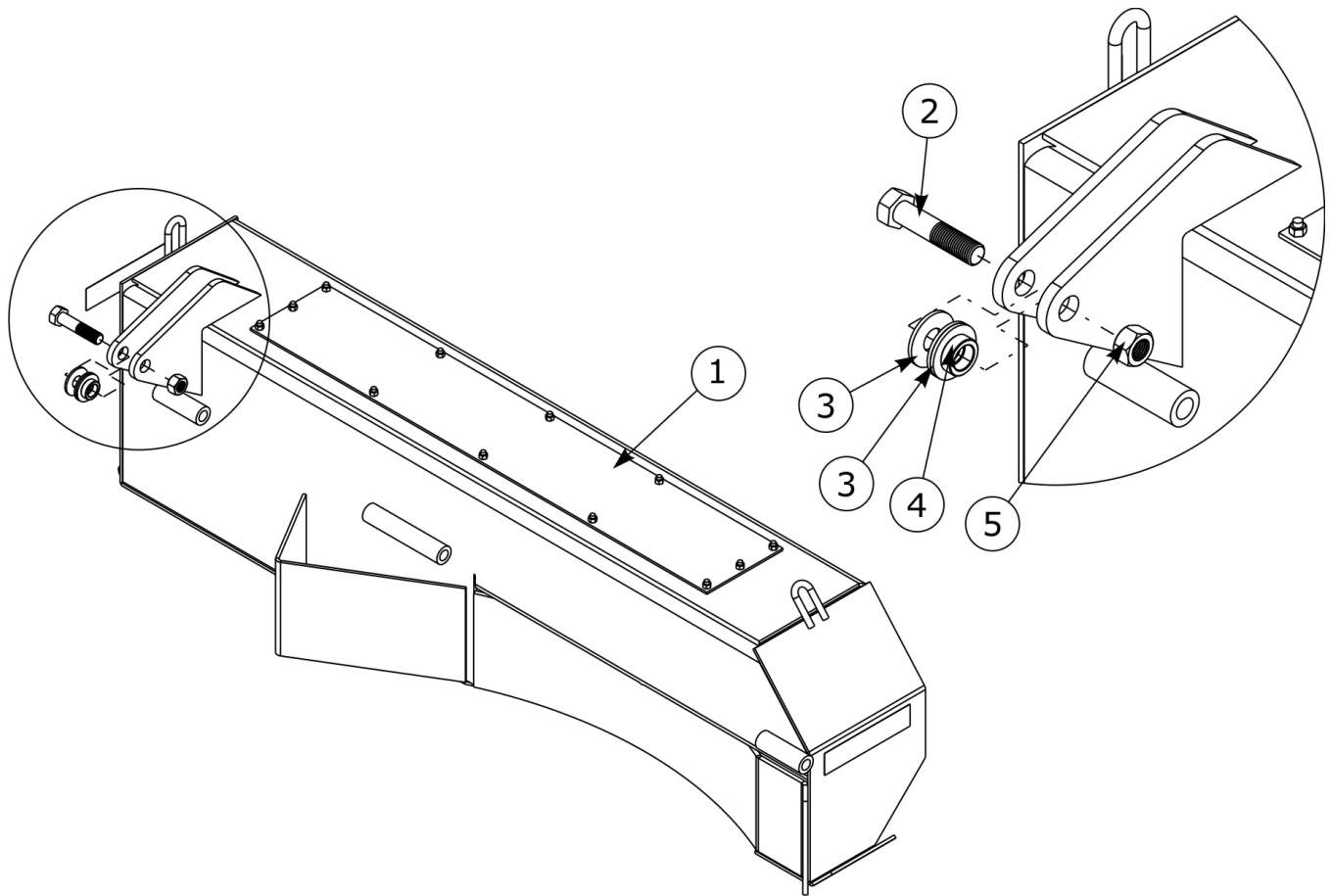
NOTE: ITEMS 21-23 ARE PART OF JACK ASSEMBLY (ITEM 3)

WALKING AXLE ASSEMBLY - OPTION



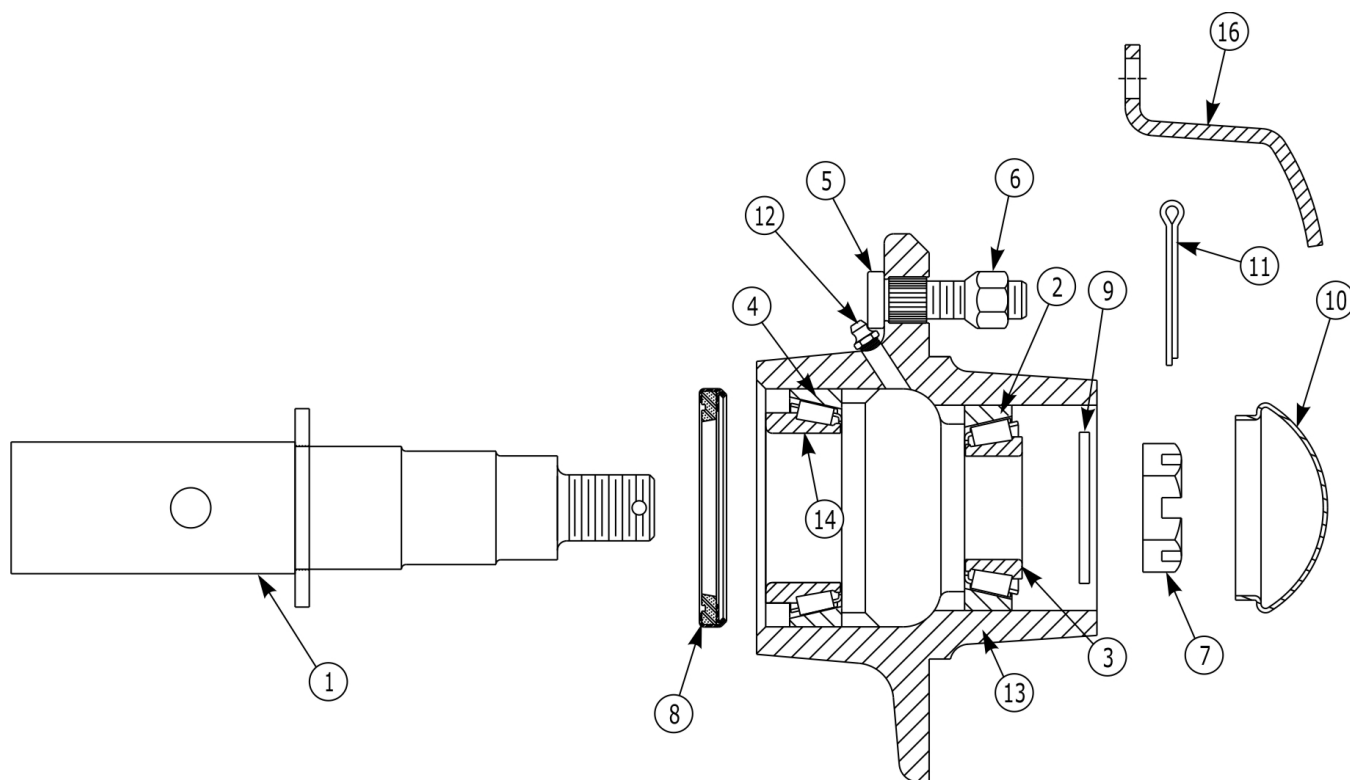
ITEM	PART NO.	QTY.	DESCRIPTION
1	00778396A	1	WALKING AXLE WLDMT-LEFT
2	00778397A	1	WALKING AXLE WLDMT-RIGHT
3	00779063	2	BUSHING 1 3/4 OD X 1-1/2 ID X 7 LG
4	00778920	2	SPINDLE SHAFT ASSEMBLY
5	00748823	4	HHCS 1/2-13UNC 1-1/2 PL5
6	00001300	4	LOCKWASHER 1/2 PL STD
7	00003500	8	ZERK FITTING 1/8 STRAIGHT

WEIGHT BOX ASSEMBLY - FALCON 10



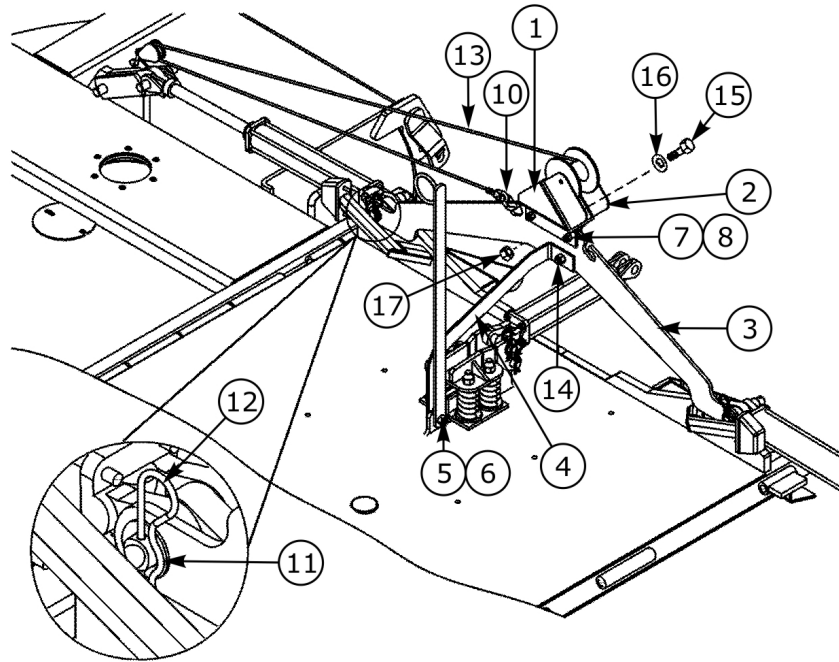
ITEM	PART NO.	QTY.	DESCRIPTION
	00780279	1	ASSY, WEIGHT BOX L.H.
1	00777999	1	WLDMT, WEIGHT BOX L.H.
2	7A14932	1	HHCS 7/8 NC 4 PL5
3	00761535	3	WASHER-7/8 STR PLAIN
4	00761503	1	SPACER 1-1/2 OD X1ID X 1/2LG
5	00012300	1	NUT, 7/8 NC HEX PL

WHEEL HUB ASSEMBLY



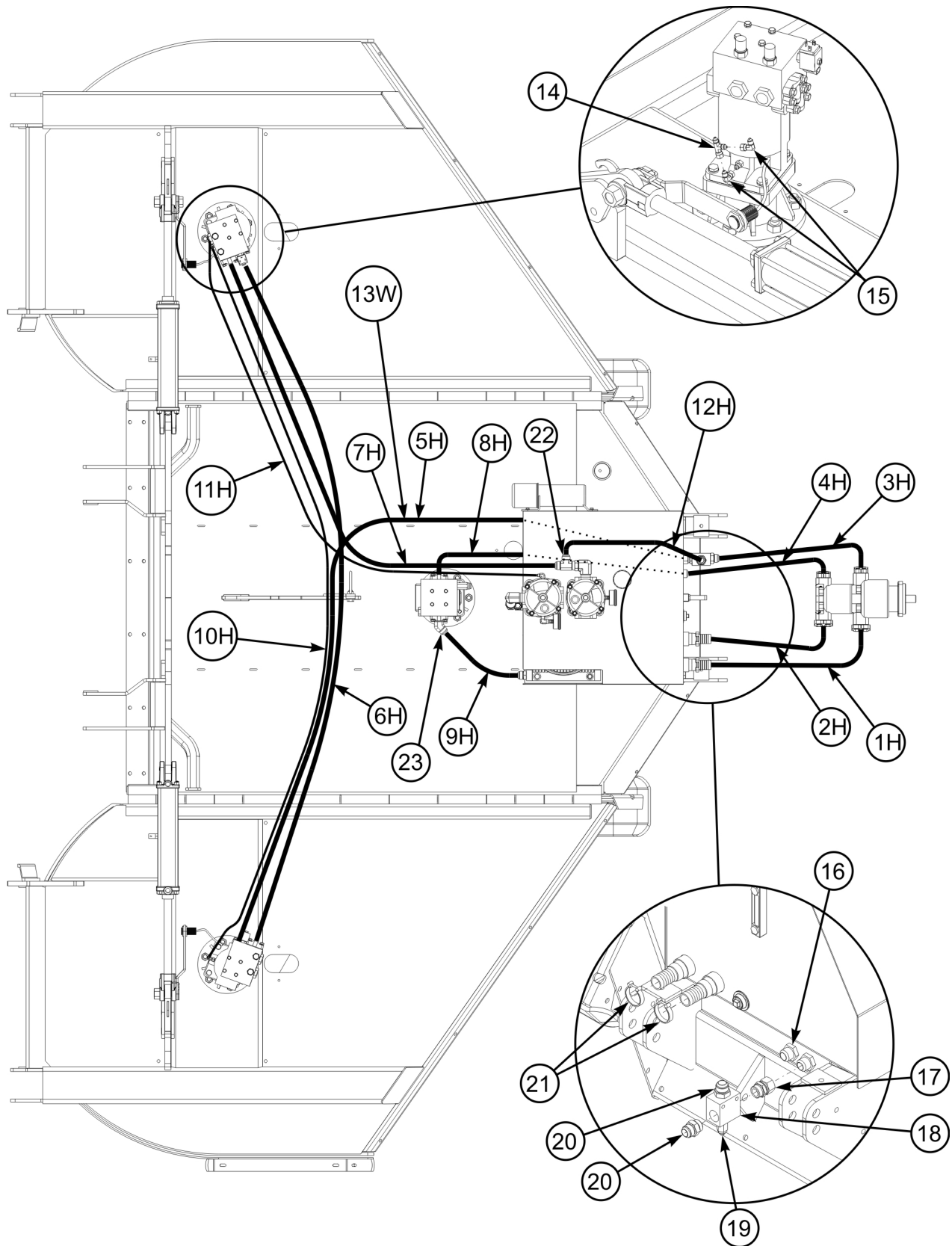
ITEM	PART NO.	QTY.	DESCRIPTION
	00776306	1	ASY, HUB AND SPINDLE
1	00778528	1	AXLE SPINDLE BOLT IN
2	00016900	1	BEARING CUP
3	02957149	1	BEARING CONE 14137A
4	371247D	1	BEARING CUP 332
5	13198	5	BOLT, HUB
6	00750614	5	NUT 1/2-20NF 90DEG.CONE LUG PL
7	371247J	1	NUT, 7/8-14 UNF STD SLOTTED
8	00778713	1	SEAL KIT
9	15B1400	1	WASHER 7/8 SAE P
10	371247G	1	CAP,HUB
11	00026200	1	PIN-COTTER 5/32 X 1-1/2
12	00003500	1	ZERK FITTING 1/8 STRAIGHT
14	00778715	1	BEARING CONE (INSIDE)
16	00779390	1	HUB CAP RETAINER

WINCH AND STAND ASSEMBLY - OPTION



ITEM	PART NO.	QTY.	DESCRIPTION
	00780570	1	WINCH & STAND KIT COMPLETE
1	00776958	1	WINCH STAND MOUNT WELDMENT
2	00750936	1	WINCH
3	00776957	1	MAIN STAND PLATE
4	00780569	1	WINCH STAND BRACE PLATE
5	02845500	1	BOLT
6	00695100	2	TOPLOCK
7	00749130	2	BOLT
8	00001800	2	LOCKNUT
9	00753655	1	CABLE ,PULLEY & BLOCK
10	00753656	2	CHAIN
11	02822500	2	FLATWASHER
12	37107B13	2	CLIP HAIR PIN
13	00000801	1	WINCH CABLE ASSEMBLY
14	02675800	1	BOLT
15	00011400	2	BOLT
16	00011100	2	FLATWASHER
17	00015800	2	NUT

WIRING AND HOSE ROUTING DIAGRAM



WIRING AND HOSE ROUTING DIAGRAM

Continued...

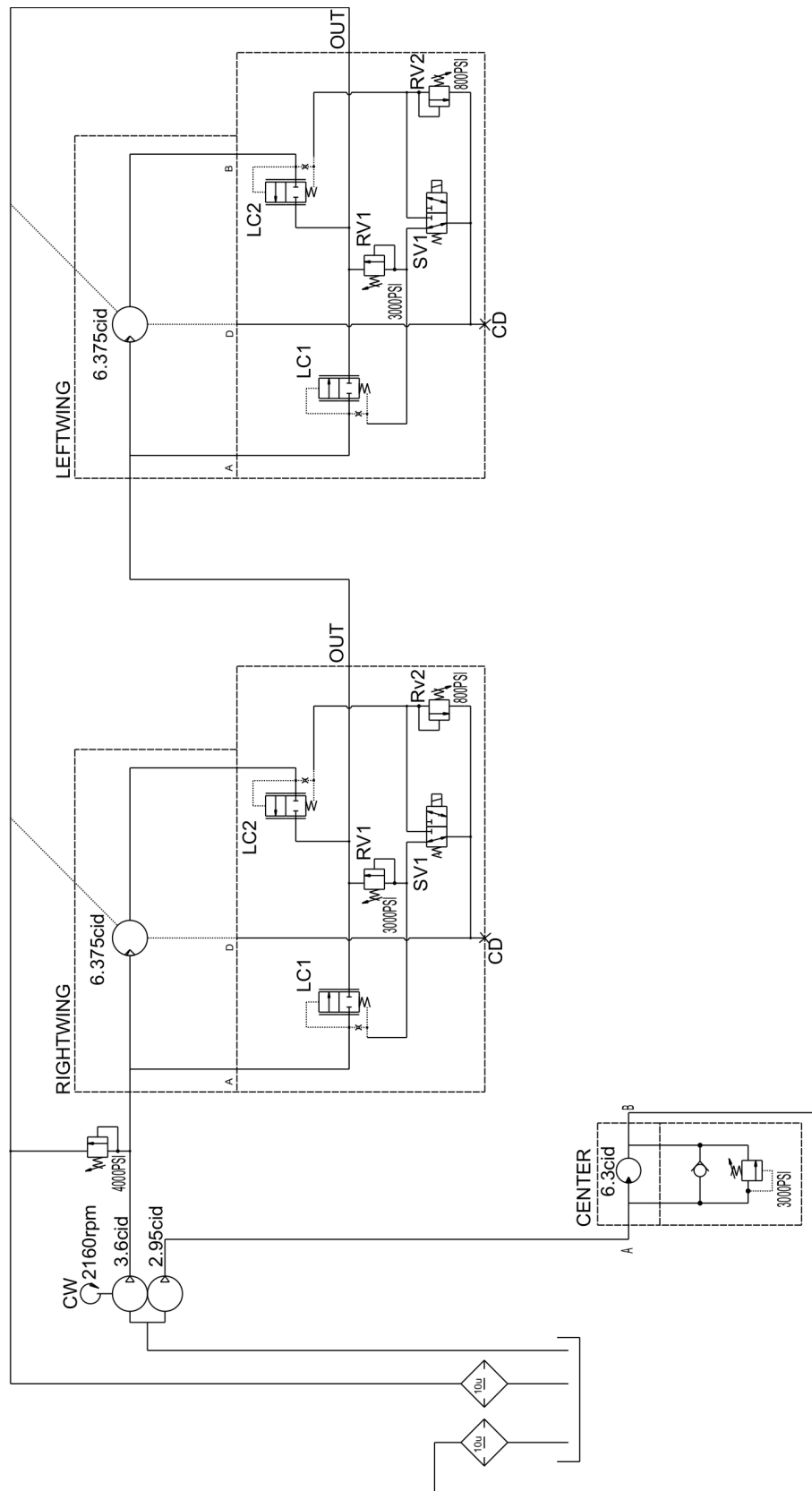
ITEM	PART NO.	QTY.	DESCRIPTION
1H	02979878	1	#24-24FL90-BLANK-63LG
2H	02979877	1	#24-24FL90-BLANK-55LG
3H	02979407	1	#16-16FJX-16FL90-55LG
4H	02979407	1	#16-16FJX-16FL90-55LG
5H	02985420	1	#16-16FJX-16FL-124LG
6H	02985422	1	#16-16FL-16FL-131LG
7H	02985421	1	#16-16FJX-16FL-100LG
8H	02985423	1	#16-16FJX-16FL90-40LG
9H	02985425	1	#16-16FJX-16FJX-15LG
10H	02971334	1	#4-4FJX-4FJX-144LG
11H	00765738	1	#4-4FJX-4FJX-100LG
12H	02985405	1	#16-16FJX-16FJX90-40LG
13W	02985227	1	WIRE HRNSS FALCN-15
14	02970702	1	ADP HYD TEE 4MJ-4MJ-4FJX
15	02962022	3	ADP HYD ELBOW 4MJ-4FJX90
16	00751846	2	ADP HYD STGHT 16MJ - 16MJ BULKHEAD
17	02958313	1	ADP HYD STGHT 16MB-16FJX
18	02985841	1	BODY RELIEF VALVE
19	001759	1	CARTRIDGE RELIEF VLV 4000 PSI
20	02957622	2	ADP HYD STGHT 16MB-16MJ
21	02975012	2	HOSE CLAMP T TYPE
22	02970466	1	ADP HYD TEE 16FJX-16MJ-16MJ
23	02957541	1	ADP HYD ELBOW 16FL-16MJ45
-	02986170	1	HOSE SLEEVING OPTION FALCON-15
	02986171	1	HOSE SLEEVING OPTION FALCON-10

HOSE ROUTING NOTES

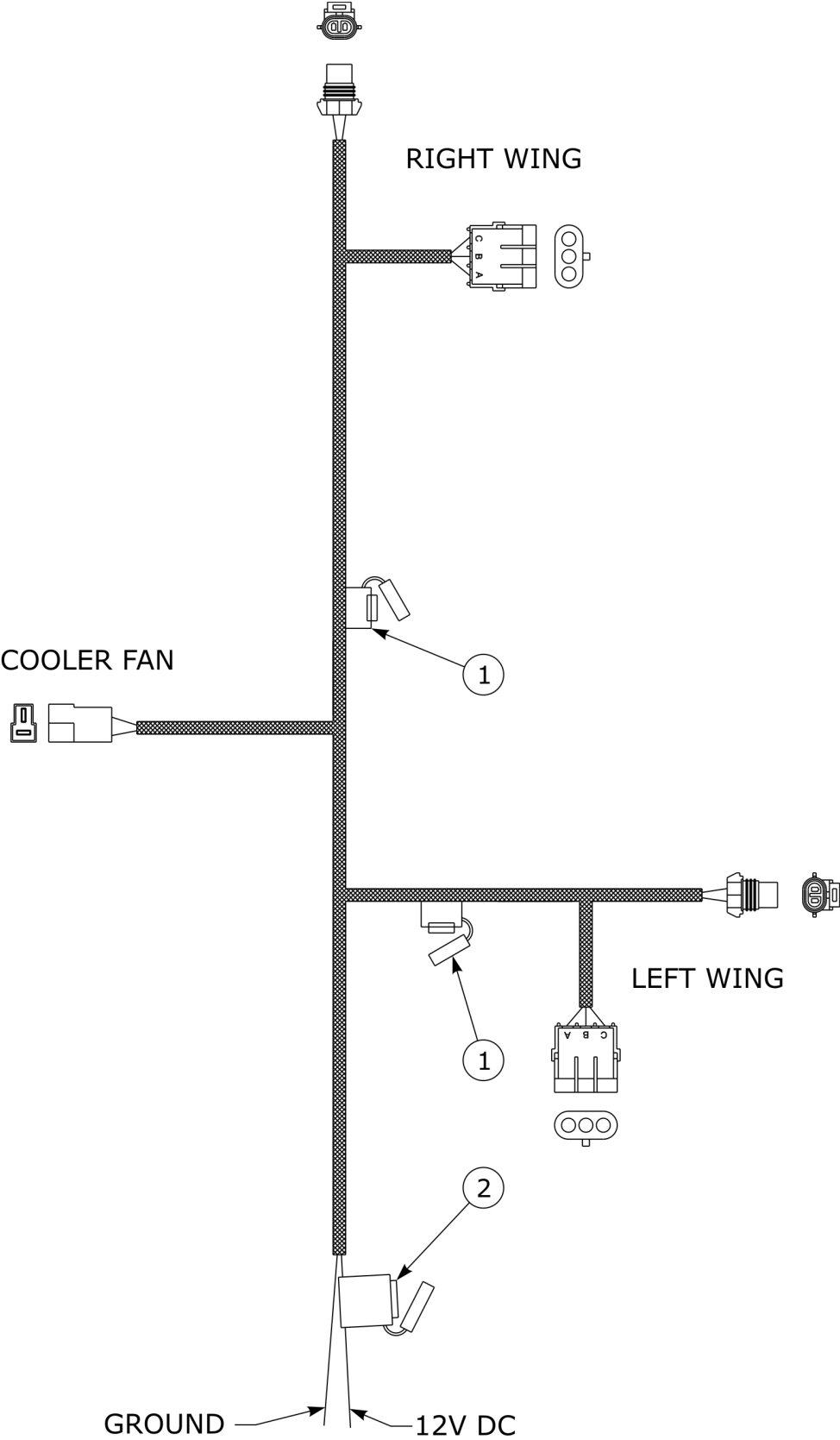
Item	Part Number	Description	Function	Routing
1H	02979878	#24-24FL90-BLANK-63LG	WING SUCTION	Outside Hose Bib to Suction of Large Pump Section
2H	02979877	#24-24FL90-BLANK-55LG	CENTER SUCTION	Inside Hose Bib to Suction of Small Pump Section
3H	02979876	#16-16FJX-16FL90-63LG	WING PRESSURE	Press Port of Large Pump Section to Relief Valve
4H	02979407	#16-16FJX-16FL90-55LG	CENTER PRESSURE	Press Section of Small Pump Section to Blkhd Ftg
5H	02985420	#16-16FJX-16FL-124LG	RW PRESSURE	Blkhd under tank to the Motor Port on RW. Route through Hose Ring in Center.
6H	02985422	#16-16FL-16FL-131LG	RW-LW PRESSURE	RW Valve Outlet Port to LW Motor Inlet Port. Route through Hose Ring in center.
7H	02985421	#16-16FJX-16FL-100LG	LW RETURN	LW Valve Outlet Port to Tee on Tank Filter
8H	02985423	#16-16FJX-16FL90-40LG	CENTER PRESSURE	Blkhd under tank to the Motor Port on RW. Route through Hose Ring in Center.
9H	02985425	#16-16FJX-16FJX-15LG	CENTER RETURN	Center Motor Outlet Fitting to Cooler Input Fitting
10H	02971334	#4-4FJX-4FJX-144LG	RW-LW CASE	RW Case Fitting to LW Case Tee Fitting. Route through Hose Ring in center.
11H	00765738	#4-4FJX-4FJX-100LG	LW CASE RETURN	LW Case Tee to Return Filter Fitting
12H	02985405	#16-16FJX-16FJX90-40LG	RELIEF RETURN	Relief Valve Outlet Port to Return Filter Tee
13W	02985227	WIRE HRNSS FALCN-15	RW-LW ELECTRCL	Route with and tie to the outside of the Motor Hoses

Prior to hose installation, install the 16MJ-16MJ BLKHD adapters (item 16) to the ends of the center and RW pressure hoses (items 8H & 5H) and securely tighten. Insert the BLKHD adapters on the end of the hoses into the mounting holes under the tank, as indicated, and loosely install the bulkhead nut on the outside. After hoses have been routed as indicated, securely tighten the bulkhead nut.

FALCON HYDRAULIC SCHEMATIC



WIRING HARNESS - 15 FT



WIRING HARNESS - 15 FT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02985227	1	WIRING HARNESS - 15 FT
1	02985403	2	FUSE MINI-BLADE 5 AMP
2	02985404	1	FUSE MINI-BLADE 25 AMP

ALAMO INDUSTRIAL

Limited Warranty

1. LIMITED WARRANTIES

- 1.01. Alamo Industrial warrants for one year from the purchase date to the original non-commercial, governmental, or municipal purchaser ("Purchaser") and warrants for six months to the original commercial or industrial purchaser ("Purchaser") that the goods purchased are free from defects in material or workmanship.
- 1.02. Manufacturer will replace for the Purchaser any part or parts found, upon examination at one of its factories, to be defective under normal use and service due to defects in material or workmanship.
- 1.03. This limited warranty does not apply to any part of the goods which has been subjected to improper or abnormal use, negligence, alteration, modification, or accident, damaged due to lack of maintenance or use of wrong fuel, oil, or lubricants, or which has served its normal life. This limited warranty does not apply to any part of any internal combustion engine, or expendable items such as blades, shields, guards, or pneumatic tires except as specifically found in your Operator's Manual.
- 1.04. Except as provided herein, no employee, agent, Dealer, or other person is authorized to give any warranties of any nature on behalf of Manufacturer.

2. REMEDIES AND PROCEDURES.

- 2.01. This limited warranty is not effective unless the Purchaser returns the Registration and Warranty Form to Manufacturer within 30 days of purchase.
- 2.02. Purchaser claims must be made in writing to the Authorized Dealer ("Dealer") from whom Purchaser purchased the goods or an approved Authorized Dealer ("Dealer") within 30 days after Purchaser learns of the facts on which the claim is based.
- 2.03. Purchaser is responsible for returning the goods in question to the Dealer.
- 2.04. If after examining the goods and/or parts in question, Manufacturer finds them to be defective under normal use and service due to defects in material or workmanship, Manufacturer will:
 - (a) Repair or replace the defective goods or part(s) or
 - (b) Reimburse Purchaser for the cost of the part(s) and reasonable labor charges (as determined by Manufacturer) if Purchaser paid for the repair and/or replacement prior to the final determination of applicability of the warranty by Manufacturer.The choice of remedy shall belong to Manufacturer.
- 2.05. Purchaser is responsible for any labor charges exceeding a reasonable amount as determined by Manufacturer and for returning the goods to the Dealer, whether or not the claim is approved. Purchaser is responsible for the transportation cost for the goods or part(s) from the Dealer to the designated factory.

3. LIMITATION OF LIABILITY.

- 3.01. MANUFACTURER DISCLAIMS ANY EXPRESS (EXCEPT AS SET FORTH HEREIN) AND IMPLIED WARRANTIES WITH RESPECT TO THE GOODS INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
- 3.02. MANUFACTURER MAKES NO WARRANTY AS TO THE DESIGN, CAPABILITY, CAPACITY, OR SUITABILITY FOR USE OF THE GOODS.
- 3.03. EXCEPT AS PROVIDED HEREIN, MANUFACTURER SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO PURCHASER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS, OR DAMAGE CAUSED OR ALLEGED TO BE CAUSED DIRECTLY OR INDIRECTLY BY THE GOODS INCLUDING, BUT NOT LIMITED TO, ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES RESULTING FROM THE USE OR OPERATION OF THE GOODS OR ANY BREACH OF THIS WARRANTY. NOT WITHSTANDING THE ABOVE LIMITATIONS AND WARRANTIES, MANUFACTURER'S LIABILITY HEREUNDER FOR DAMAGES INCURRED BY PURCHASER OR OTHERS SHALL NOT EXCEED THE PRICE OF THE GOODS.
- 3.04. NO ACTION ARISING OUT OF ANY CLAIMED BREACH OF THIS WARRANTY OR TRANSACTIONS UNDER THIS WARRANTY MAY BE BROUGHT MORE THAN TWO (2) YEARS AFTER THE CAUSE OF ACTION HAS OCCURRED.

4. MISCELLANEOUS.

- 4.01. Proper Venue for any lawsuits arising from or related to this limited warranty shall be only in Guadalupe County, Texas.
- 4.02. Manufacturer may waive compliance with any of the terms of this limited warranty, but no waiver of any terms shall be deemed to be a waiver of any other term.
- 4.03. If any provision of this limited warranty shall violate any applicable law and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provisions herein.
- 4.04. Applicable law may provide rights and benefits to purchaser in addition to those provided herein.

KEEP FOR YOUR RECORDS

ATTENTION: Purchaser should fill in the blanks below for his reference when buying repair parts and/or for proper machine identification when applying for warranty.

Alamo Industrial Implement Model _____ Serial Number _____
Date Purchased _____ Dealer _____

ATTENTION:
READ YOUR OPERATOR'S MANUAL

ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
830-379-1480





TO THE OWNER/OPERATOR/DEALER

To keep your implement running efficiently and safely, read your manual thoroughly and follow these directions and the Safety Messages in this Manual. The Table of Contents clearly identifies each section where you can easily find the information you need.

The OCCUPATIONAL SAFETY AND HEALTH ACT (1928.51 Subpart C) makes these minimum safety requirements of tractor operators:

REQUIRED OF THE OWNER:

1. Provide a Roll-Over-Protective Structure that meets the requirements of this Standard; and
2. Provide Seatbelts that meet the requirements of this paragraph of this Standard and SAE J4C; and
3. Ensure that each employee uses such Seatbelt while the tractor is moving; and
4. Ensure that each employee tightens the Seatbelt sufficiently to confine the employee to the protected area provided by the ROPS.

REQUIRED OF THE OPERATOR

1. Securely fasten seatbelt if the tractor has a ROPS.
2. Where possible, avoid operating the tractor near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going - especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the tractor smoothly - no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by the tractor manufacturer.
9. When the tractor is stopped, set brakes securely and use park lock, if available.



Keep children away from danger all day, every day...



Equip tractors with rollover protection (ROPS) and keep all machinery guards in place...



Please work, drive, play and live each day with care and concern for your safety and that of your family and fellow citizens.

